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# **Petroleum Marketing Monthly**

**December 1993**

**Energy Information Administration**  
Office of Oil and Gas  
U.S. Department of Energy  
Washington DC 20585

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- *Short Term Energy Outlook*  
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- *Winter Fuels Report* (October through April)  
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# Preface

The *Petroleum Marketing Monthly* is prepared by the Petroleum Marketing Division, Office of Oil and Gas, Energy Information Administration.

The *Petroleum Marketing Monthly* (PMM) is designed to give information and statistical data about a variety of crude oils and refined petroleum products. The publication provides statistics on crude oil costs and refined petroleum products sales for use by industry, government, private sector analysts, educational institutions, and consumers. Data on crude oil include the domestic first purchase price, the f.o.b. and landed cost of imported crude oil, and the refiners' acquisition cost of crude oil. Sales data for motor gasoline, distillates, residuals, aviation fuels, kerosene, and propane are presented.

## Scope of Data

The data within the *Petroleum Marketing Monthly* are compiled from six Energy Information Administration (EIA) survey forms. The crude oil statistics are calculated from data collected on the following three survey forms: Form EIA-182, "Domestic Crude Oil First Purchase Report"; Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report"; and Form EIA-14, "Refiners' Monthly Cost Report."

The statistics on petroleum product sales prices and volumes are derived from Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report" and Form EIA-782B, "Resellers/Retailers' Monthly Petroleum Product Sales Report."

The data presented in Tables 47 to 49 are derived from aggregations of data from the Form EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

Information concerning standard errors for prices of motor gasoline, No. 2 distillate (including No. 2 fuel oil), and residual fuel oil, are presented in Tables 50 to 54. The Form EIA-782 survey response rates are presented in Table 55.

## Sections

Monthly statistics on purchases of crude oil and sales of petroleum products are presented in the *Petroleum Marketing Monthly* in five sections:

- Summary of Crude Oil and Petroleum Products
- Crude Oil Prices
- Sales Prices of Petroleum Products
- Sales Volumes of Petroleum Products
- Prime Supplier Sales Volumes of Petroleum Products for Local Consumption.

The publication highlights salient statistics for the United States in the summary section. More detailed geographic coverage occurs in the other four sections. Geographic coverage for crude oil includes country of origin for foreign crude and Petroleum Administration for Defense (PAD) Districts and individual States for domestic crude oil. Geographic coverage of the petroleum products includes PAD Districts and individual States.

Detailed statistics for crude oil, including the price of imported crude oil by country of origin, by gravity, and by crude stream, can be found in the Crude Oil Prices section. The Product Guide located at the end of this publication provides a detailed breakdown of the table coverage.

PAD District and/or State-level statistics for petroleum products are presented in the Prices, Volumes, and Prime Supplier Sales of Petroleum Products sections. To aid the reader in determining the market changes, the majority of the tables show data for the report month and previous month for the current year, and the report month for the previous year.

## Notes on the Tables

- For the crude oil statistics referencing Form EIA-182, United States includes the 50 States, the outer continental shelf, and the District of Columbia. For crude oil statistics referencing either Form EIA-14 or Form EIA-856, United States includes the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and all American territories and possessions. For the petroleum

products data, United States includes the 50 States and the District of Columbia.

- Prices exclude taxes. Refer to the Explanatory Notes for a tax table on motor fuels.
- Some of the tables use State abbreviations. Refer to the Explanatory Notes for a table of U.S. Postal State abbreviations.
- "Seller" comprises the categories of major refiners, other refiners (including gas plant operators), and resellers as defined in the Glossary.
- References to "Refiners" include gas plant operators (see the Glossary for definition of "Gas Plant Operators.").
- "Prime Supplier" refers to a firm that produces, imports, or transports any of the selected petroleum products across State boundaries and local marketing areas and sells the product to local distributors, local retailers, or end users.
- The category "Company Outlets" refers to sales made through company-operated retail outlets (see Glossary).
- No. 2 distillate volumes and prices are classified in accordance with what the product was sold as, regardless of the actual specifications of that product (see definitions of No. 2 distillate in the Glossary).

# ***Contents***

	Page
Feature Articles .....	3
Highlights .....	13
Summary Statistics .....	17
Crude Oil Prices .....	47
Sales Prices of Petroleum Products .....	63
Sales Volumes of Petroleum Products .....	115
Prime Supplier Sales Volumes of Petroleum Products for Local Consumption .....	135
Standard Errors and Survey Response Percentages .....	149
Explanatory Notes .....	165
Product Guide .....	181
Glossary .....	185

# Tables

Page

## Summary Statistics

1. Crude Oil Prices .....	18
2. U.S. Refiner Prices of Petroleum Products to End Users .....	20
3. U.S. Refiner Volumes of Petroleum Products to End Users .....	22
4. U.S. Refiner Prices of Petroleum Products for Resale .....	24
5. U.S. Refiner Volumes of Petroleum Products for Resale .....	26
6. U.S. Refiner Petroleum Product Prices to End Users by Seller .....	30
7. U.S. Refiner Petroleum Product Prices for Resale by Seller .....	30
8. U.S. Refiner Petroleum Product Volumes to End Users by Seller .....	31
9. U.S. Refiner Petroleum Product Volumes for Resale by Seller .....	31
10. U.S. Refiner Total Motor Gasoline Prices, Volumes, and Percentages by Seller .....	32
11. U.S. Refiner Motor Gasoline Prices by Grade and Sales Type .....	33
12. U.S. Refiner Motor Gasoline Volumes by Grade and Sales Type .....	34
13. U.S. Refiner Total Motor Gasoline Prices by Seller .....	36
14. U.S. Refiner Total Motor Gasoline Volumes by Seller .....	37
15. U.S. No. 2 Distillate Prices .....	38
16. Prices of No. 2 Distillate to Residences by Selected States .....	40
17. U.S. Refiner Residual Fuel Oil Prices .....	42
18. U.S. Refiner Residual Fuel Oil Volumes .....	44

## Crude Oil Prices

19. Crude Oil Refiner Acquisition Costs .....	49
20. Domestic Crude Oil First Purchase Prices .....	50
21. FOB Costs of Imported Crude Oil by Selected Country .....	53
22. Landed Costs of Imported Crude Oil by Selected Country .....	54
23. FOB Costs of Imported Crude Oil by API Gravity .....	55
24. Landed Costs of Imported Crude Oil by API Gravity .....	56
25. Percentages of Total Imported Crude Oil by API Gravity .....	57

	Page
<b>Sales Prices of Petroleum Products</b>	
28. Refiner/Reseller Motor Gasoline Prices by Grade, PAD District and State .....	65
29. Refiner/Reseller Motor Gasoline Prices to End Users by Grade, PAD District, and State .....	69
30. Refiner/Reseller Total Motor Gasoline Prices by Seller, PAD District, and State .....	73
31. Refiner/Reseller Leaded Gasoline Prices by Seller, PAD District, and State .....	77
32. Refiner/Reseller Unleaded Regular Gasoline Prices by Seller, PAD District, and State .....	81
33. Refiner/Reseller Unleaded Midgrade Gasoline Prices by Seller, PAD District, and State .....	85
34. Refiner/Reseller Premium Gasoline Prices by Seller, PAD District, and State .....	89
35. Refiner Prices of Aviation Fuels and Propane by PAD District and State .....	93
36. Refiner Prices of Kerosene and Distillates by PAD District and State .....	97
37. No. 2 Distillate Prices by Seller, PAD District, and Selected States .....	101
38. No. 2 Distillate Prices by Sales Type, PAD District, and Selected States .....	104
39. No. 2 Fuel Oil Prices by Sales Type, PAD District, and Selected States .....	107
40. Refiner No. 4 and Residual Fuel Oil Prices by PAD District .....	110
41. Residual Fuel Oil Prices by PAD District and Selected States .....	111
<b>Sales Volumes of Petroleum Products</b>	
42. Refiner Total Motor Gasoline Volumes by Seller, PAD District, and State .....	117
43. Refiner Motor Gasoline Volumes by Grade, PAD District, and State .....	121
44. Refiner Volumes of Aviation Fuels and Propane by PAD District and State .....	125
45. Refiner Volumes of Kerosene and Distillates by PAD District and State .....	129
46. Refiner No. 4 and Residual Fuel Oil Volumes by PAD District .....	133
<b>Prime Supplier Sales Volumes of Petroleum Products for Local Consumption</b>	
47. Prime Supplier Sales Volumes of Motor Gasoline by Grade, PAD District, and State .....	137
48. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State .....	141
49. Prime Supplier Sales Volumes of Distillate Fuel Oils by PAD District and State .....	145

**Standard Errors and Survey Response Percentages**

50. Standard Errors of Total Motor Gasoline Prices by Sales Type, PAD District, and State .....	151
51. Standard Errors of Motor Gasoline Prices by Grade, PAD District, and State .....	154
52. Standard Errors of No. 2 Distillate Prices by Sales Type, PAD District, and Selected States .....	157
53. Standard Errors of No. 2 Fuel Oil Prices by Sales Type, PAD District, and Selected States .....	159
54. Standard Errors of Residual Fuel Oil Prices by PAD District and Selected States ....	161
55. Response Rate by Entity, PAD District, and State .....	163

***Illustrations***

1. Comparison of Crude Oil Prices to U.S. Wholesale Product Product Prices .....	19
2. U.S. Refiner Retail Product Prices .....	21
3. U.S. Refiner Retail Product Volumes .....	23
4. U.S. Refiner Wholesale Product Prices .....	25
5. U.S. Refiner Wholesale Product Volumes .....	27
6. U.S. Refiner Retail Prices of Selected Products .....	28
7. U.S. Refiner Wholesale Prices of Selected Products .....	29
8. Percentages of Refiner Total Motor Gasoline Sales, U.S. Average .....	32
9. U.S. Refiner Total Motor Gasoline Sales Volumes .....	35
10. U.S. No. 2 Distillate Average Retail Prices .....	39
11. U.S. Refiner Residual Fuel Oil Prices .....	43
12. U.S. Refiner Residual Fuel Oil Total Volumes .....	45

## **Feature Articles**

**Sales of Fuel Oil  
and Kerosene in 1992**

**Low Sulfur Diesel:  
Requirements and  
Impacts**

(These articles first appeared  
in the EIA publication *Fuel Oil  
and Kerosene Sales 1992*)



## Sales of Fuel Oil and Kerosene in 1992

Lower petroleum prices, a colder winter, and a recovering economy increased demand for distillate fuel oil in 1992. After showing a decline for the previous 2 years, distillate fuel oil sales rose 4.5 percent in 1992. Demand for residual fuel oil, on the other hand, diminished, particularly in the electric utility sector, due to the coolest summer in 77 years (U. S. Department of Commerce, National Oceanic and Atmospheric Administration, Climate Analysis Center) and competition from natural gas. Residual fuel oil purchases dropped 8.1 percent in 1992. Sales of kerosene also fell after showing an increase in 1991.

In 1992, a total of 64.1 billion gallons of fuel oil and kerosene was sold in the United States, an increase of 0.9 percent over 1991. Distillate fuel oil's share of these products increased to 73.7 percent, while residual fuel oil and kerosene products' share fell to 25.3 and 1.0 percent, respectively. In 1991, these products' shares of total sales were 71.1, 27.8, and 1.1 percent, respectively.

### Distillate Fuel Oil

The transportation sector rebounded in 1992 with distillate sales increasing 5.3 percent over 1991. A

slowly improving economy spurred demand for more goods that in turn increased demand for freight transportation services. This was evidenced by increased sales of on-highway diesel, 21.4 billion gallons, 890 million gallons over 1991. Similarly, the vessel bunkering and railroad industries displayed sales volumes of 2.2 and 3.2 billion gallons, a jump of 8.4 and 10.2 percent, respectively, over 1991. The transportation sector's share of total distillate sales accounted for 56.6 percent, with 45.2 percent coming from on-highway diesel sales (Table HL1).

Distillate sales to residential customers for home heating increased over 1991. Overall, the average temperature in 1992 was almost 5.0 percent colder than in 1991 and prices of residential distillate averaged 8.3 cents a gallon less than during the previous year (*Short-Term Energy Outlook*, August 1993 and *Petroleum Marketing Annual 1992*). Thus, heating demand for this end-use sector was up 7.6 percent. Commercial distillate sales remained constant during 1992. Of note, the price gap between residential heating oil and natural gas also narrowed in 1992.

Farmers purchased 10.8 percent more distillate in 1992 than in 1991. The largest increase in sales occurred in the Midwest where distillate fuel oil

**Table HL1. Volume Distribution of Distillate and Residual Fuel Oils, 1991 and 1992**

End Use	Distillate 1992		Distillate 1991		Residual 1992		Residual 1991	
	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share	Volume (million gallons)	Percent Share
Residential .....	7,291	15.4	6,776	15.0	--	--	--	--
Commercial .....	3,771	8.0	3,768	8.3	1,176	7.3	1,424	8.1
Industrial .....	2,312	4.9	2,309	5.1	2,127	13.1	1,935	11.0
Oil Company .....	664	1.4	739	1.6	271	1.7	301	1.7
Farm .....	3,500	7.4	3,158	7.0	--	--	--	--
Electric .....	541	1.1	595	1.3	5,961	36.8	7,071	40.1
Railroad .....	3,173	6.7	2,879	6.4	--	--	--	--
Vessel Bunkering .....	2,219	4.7	2,046	4.5	6,563	40.5	6,773	38.4
On-Highway .....	21,375	45.2	20,485	45.3	--	--	--	--
Military .....	653	1.4	812	1.8	92	.6	120	.7
Off-Highway .....	1,758	3.7	1,642	3.6	--	--	--	--
Other .....	6	.0	2	.0	9	.1	8	.0
<b>Total .....</b>	<b>47,262</b>	<b>100.0</b>	<b>45,211</b>	<b>100.0</b>	<b>16,199</b>	<b>100.0</b>	<b>17,632</b>	<b>100.0</b>

Sources: Energy Information Administration, Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," 1991 and 1992.

demand increased 15.6 percent. The increases were caused by a colder heating season and an abundant corn harvest. According to the National Agricultural Statistics Service (NASS), corn production and acreage yields were up 26.8 and 21.0 percent, respectively, over 1991 (*Annual Crop Summary*, January 1993). Not only were more acres of corn harvested, but each acre planted yielded more corn. Additionally, NASS farm diesel expenditures were up as well--13.5 percent.

Off-highway distillate sales, i.e., sales for construction and road building, were up 7.1 percent in 1992. Residential housing starts were up as well as expenditures for Federal highway construction projects. According to the Federal Highway Administration (Office of Highway Information Management), Federal funds for highway construction increased 4.5 percent in 1992, up 1.4 billion dollars.

Not all end-use sectors showed increases in 1992, however. For example, military sales were off 19.6 percent from 1991. Base closings and the end of the Gulf War (Desert Storm) accounted for this decrease. Oil company use sales also dropped as evidenced by the drop in oil rig counts in 1992. Not only did the number of rotary oil rigs in operation decrease by 22.6 percent, but total footage drilled for all wells fell 16.3 percent (*Monthly Energy Review*, August 1993).

Industrial distillate sales remained constant in 1992, even though industrial production was up 2.3 percent (*Economic Indicators*, June 1993). The primary reason for the lack of change in distillate fuel use was the extremely low price of natural gas, particularly in the first half of 1992. Natural gas delivered to industrial customers was up 6.0 percent in 1992 (*Monthly Energy Review*, August 1993).

Distillate fuel oil sales increased in all PAD districts in 1992, except PAD District V which remained constant (Figure HL2). The largest increase occurred in PAD District IA, the Northeast, with a 10.2 percent increase over 1991. On a market share basis, PAD District I, the East Coast, and PAD District II, the Midwest, both showed increases. The remaining PAD districts' shares of total distillate fuel oil fell slightly, with PAD District V, the West Coast, declining 0.6 percentage points.

## **Residual Fuel Oil**

Residual fuel oil sales declined for the third straight year. A total of 16.2 billion gallons of residual fuel oil was sold in the United States in 1992, compared to 17.6 billion gallons in 1991 (Table HL1). Sales declines were attributed to a cooler than normal summer, the introduction of the Iroquois natural gas pipeline from Canada into the northeast region of the United States,

competitive natural gas prices, and Clean Air Act legislation (American Petroleum Institute's (API) *Monthly Statistical Report*, January 13, 1993).

Residual fuel oil sales share of total fuel oil sales fell in 1992, primarily due to the decline of electric utility sales. For the third consecutive year, electric utilities purchased less residual fuel oil, down 15.7 percent from 1991. Electric utility demand was down because the summer of 1992 was the coolest since 1915 and was also 21.6 percent milder than 1991 (*Short-Term Energy Outlook*, August 1993). Debris (stratospheric aerosols) from the Mt. Pinatubo volcano contributed to this weather phenomenon (Fourth Annual Climate Assessment 1992, National Oceanic and Atmospheric Administration).

An additional factor contributing to the fall in demand of residual fuel oil was the continuing price competition from natural gas. Although natural gas prices were higher in 1992 than in 1991, prices to electric utilities were still less than residual fuel oil, therefore, enticing utilities to switch to this cheaper fuel. The abundance of natural gas from the Iroquois pipeline also made it easier for utilities in the northeast to consume more natural gas in 1992 (API's *Monthly Statistical Report*, January 13, 1993).

The shipping industry bought 3.1 percent less residual fuel oil in 1992. Although waterborne activity was up in the United States, the effect of the bunkering tax in California, which took effect in July 1991, more than offset any increases in demand for bunker fuel. (Note: the bunkering tax was repealed in July 1992; however, the new tax law was not effective until January 1993.) Bunkering sales fell for the second straight year in California, with sales dropping 29.5 percent from 1991, almost doubling last year's sales decrease when residual fuel oil purchases fell 18.0 percent in this State.

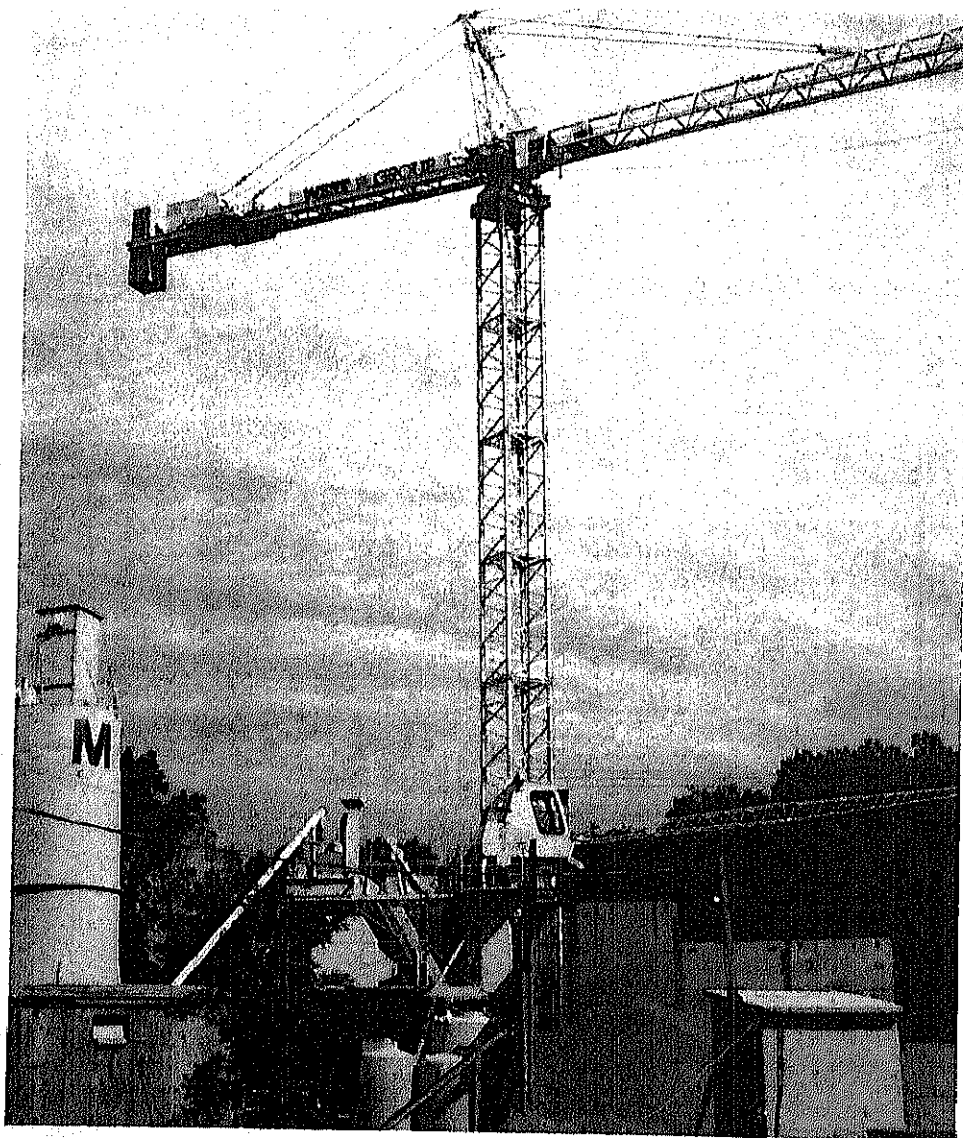
While industrial residual fuel oil sales increased 9.9 percent (192.1 million gallons) in 1992, oil company use sales decreased 9.9 percent (29.9 million gallons). Though the industrial sector has used natural gas in the past because it has been, on average, a less costly fuel than residual fuel oil, a slightly stronger economy and higher industrial natural gas prices in 1992 caused the industrial sector to purchase residual fuel oil to produce domestic goods (*Monthly Energy Review*, August 1993). Oil companies used less residual fuel oil in refinery operations. Although refinery utilization rates increased from 89.2 percent in 1991 to 91.6 percent in 1992, refinery capacity fell 1.6 percent (*Petroleum Supply Annual* 1992).

Residual fuel oil sales to the military declined by 23.5 percent in 1992. This significant decrease was attributed to the end of the Gulf War. Commercial sales also showed a drop of 17.4 percent.

As in past years, residual fuel oil sales remained concentrated in PAD District I, the East Coast (Figure HL2). Virtually all of the residual fuel was used in this region for electric utility, industrial, commercial, and vessel bunkering uses. The East Coast accounted for the vast majority of electric utility sales, 90.0 percent, an increase over 1991 of 0.6 percent (Figure HL3). PAD District I's share of total residual fuel oil decreased, however, from 60.8 percent in 1991 to 60.2 in 1992. PAD District III, the Gulf Coast, showed an increase in its share of residual fuel oil sales of 1.3 percent. The latter increase was partly due to an increase of vessel bunkering sales in this area of 1.7 percent.

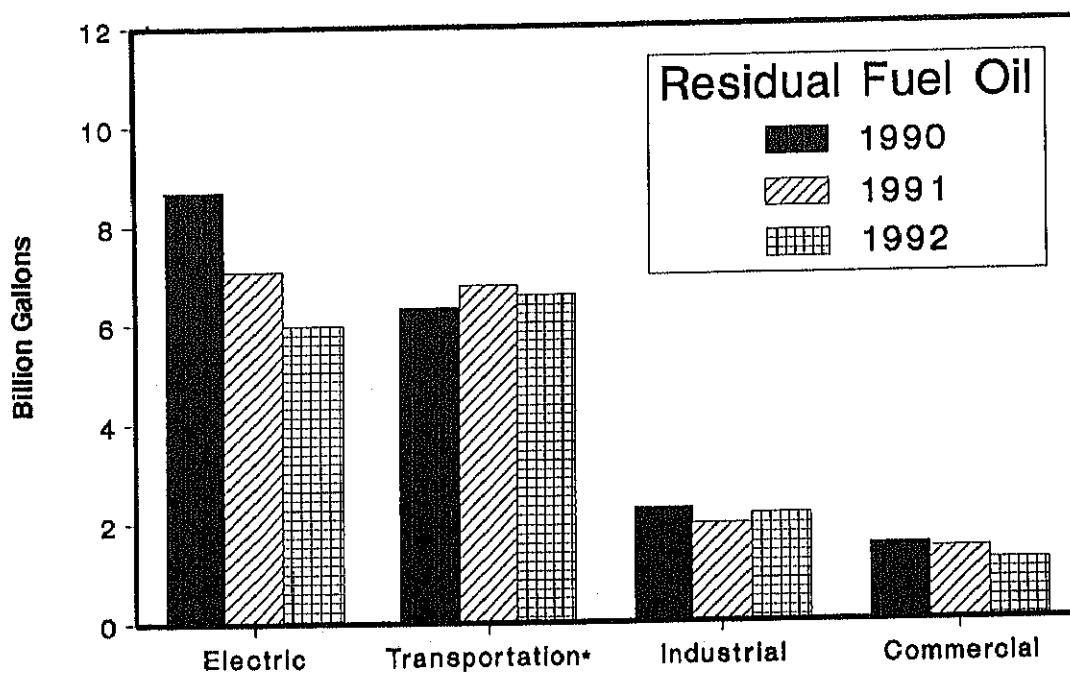
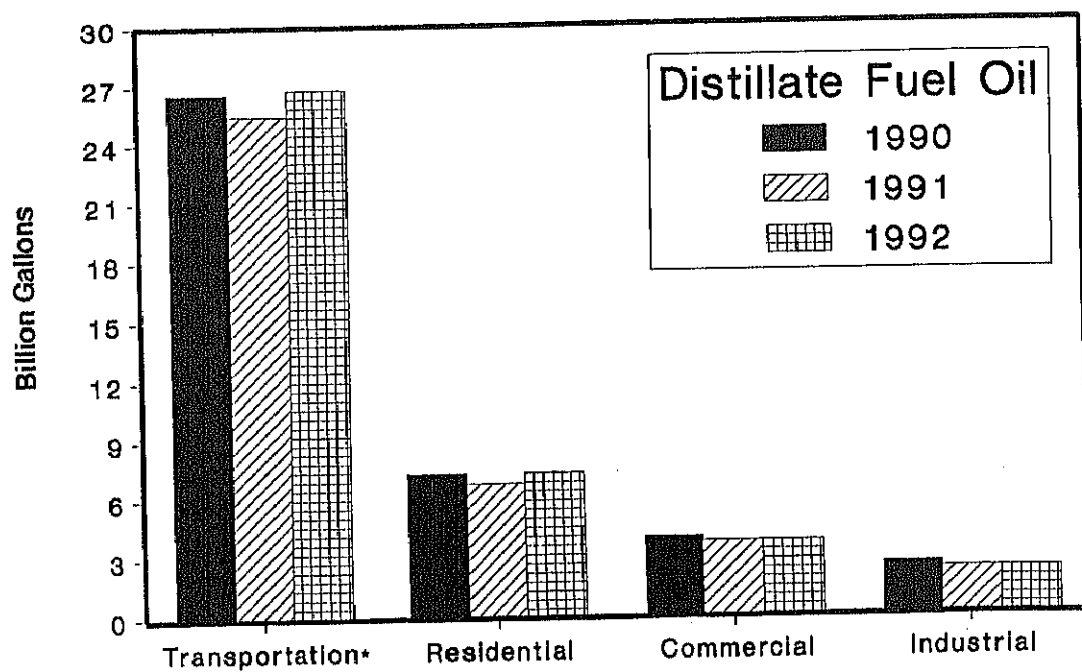
## **Kerosene**

Kerosene sales fell 10.3 percent in 1992 after rebounding in 1991. The bulk of kerosene sales were made to the residential sector, with this sector's share of total kerosene remaining basically unchanged from 1991, at 75.7 percent. All end-use sectors showed sales decreases in 1992, with the exception of farm use where sales increased 17.5 percent. The majority of kerosene sales were made in PAD District I--77.0 percent.



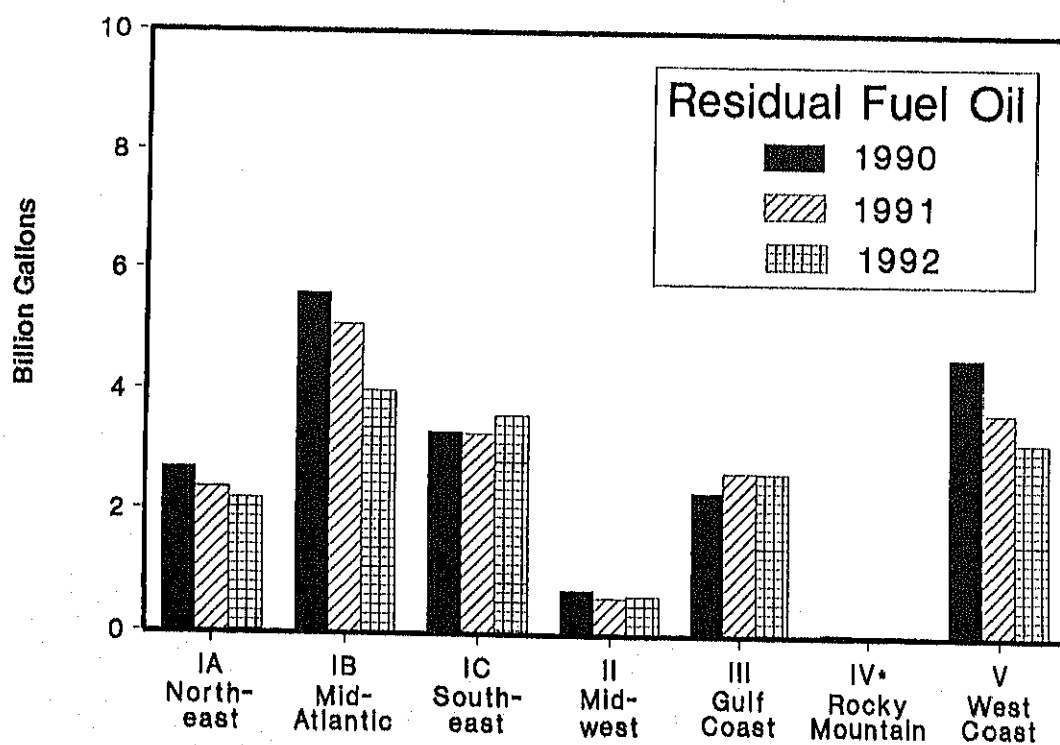
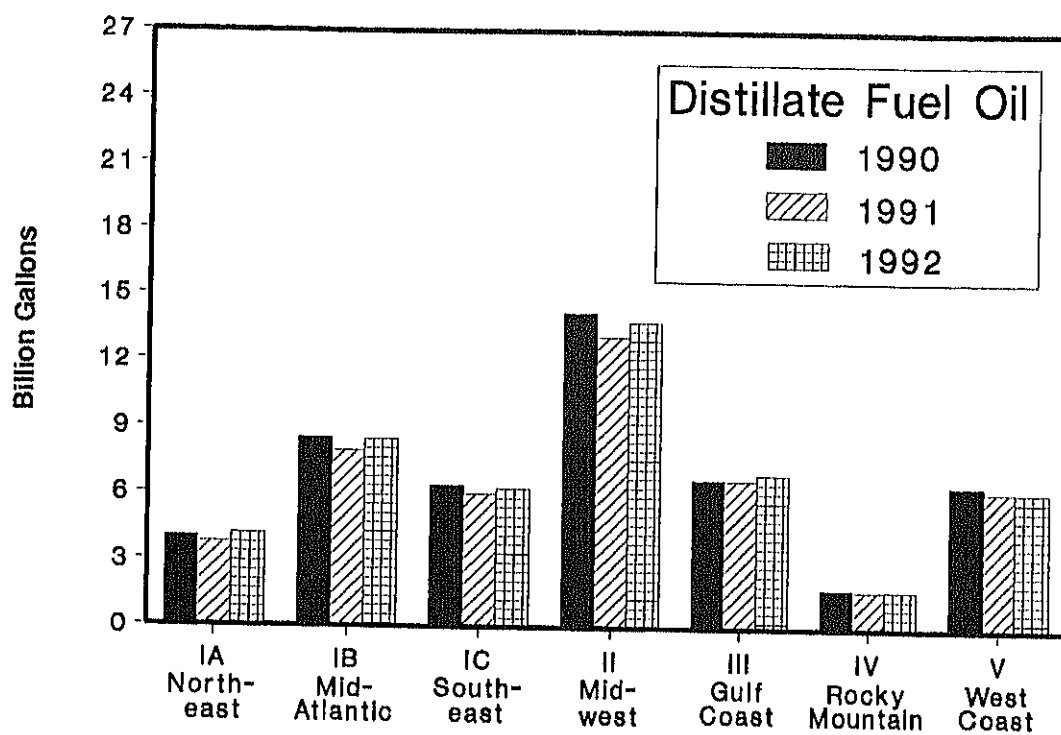
*Distillate sales for construction and road building, i.e., off-highway use, were up 116 million gallons (7.1 percent) in 1992.*

Figure HL1. U.S. Sales of Distillate and Residual Fuel Oils by End Use, 1990-1992



\*For distillate fuel oil, transportation use comprises railroad, vessel bunkering, and on-highway diesel end-use categories. For residual fuel oil, transportation use comprises the vessel bunkering end-use category.  
 Sources: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 1991 and 1992.

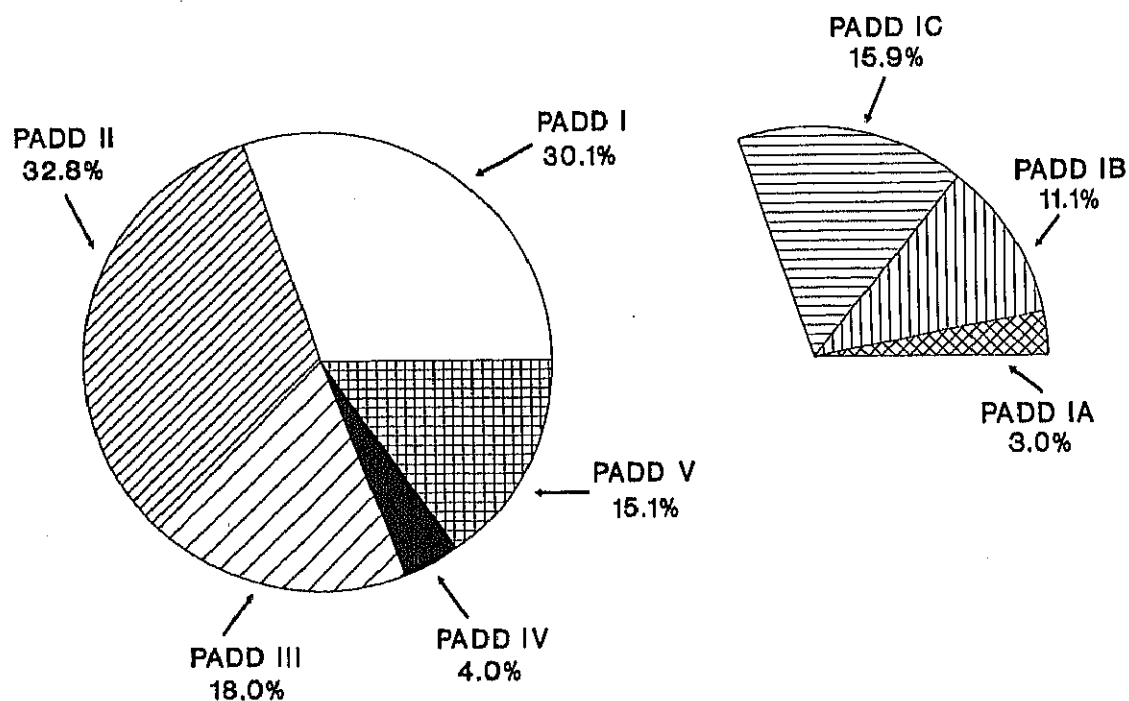
Figure HL2. Volume Distribution of Distillate and Residual Fuel Oils by PAD District, 1990-1992



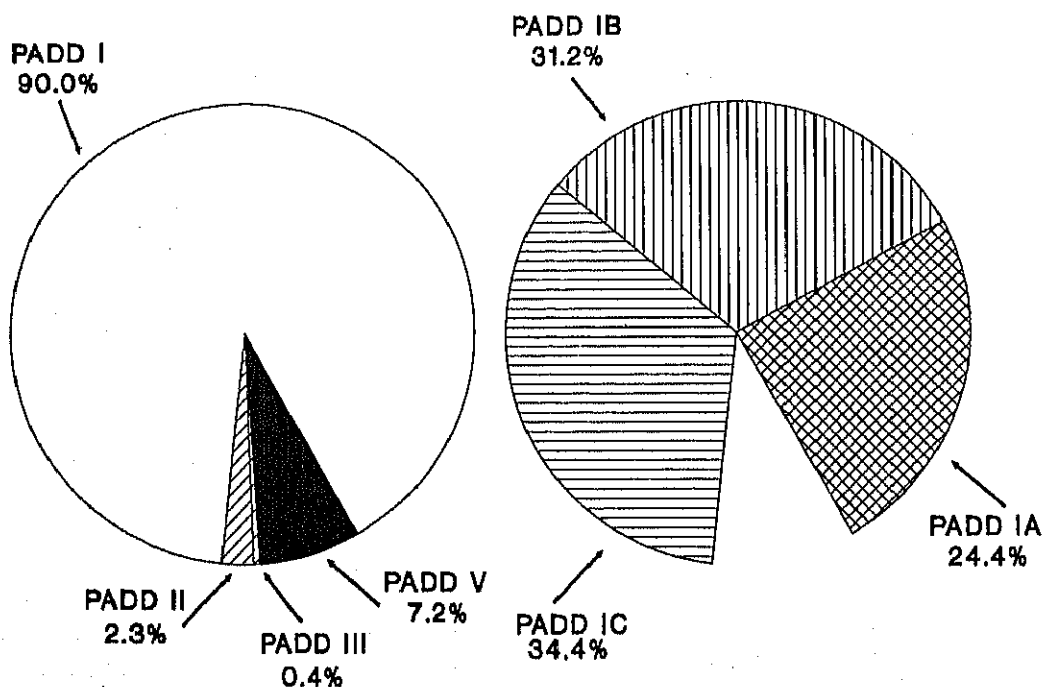
\*Residual fuel oil sales in PAD District IV were too small to appear in this graph.

Sources: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 1991 and 1992.

**Figure HL3. Distillate and Residual Fuel Oil Sales for Selected End-Use Categories, by PAD District**  
**Distillate: Transportation**



**Residual: Electric Utility**



Source: Energy Information Administration, Form EIA-821, "Fuel Oil and Kerosene Sales Report," 1992.

# Low Sulfur Diesel: Requirements and Impacts

## Background

After several years of study, the Environmental Protection Agency (EPA) proposed to regulate the sulfur content for highway diesel fuel. A primary reason for proposing lower sulfur highway diesel fuel was to allow proper operation of emission control equipment on 1994 and later motor vehicles. The regulations are intended to reduce the sulfur content in highway diesel fuels by 80 percent on average, while capping aromatics at current levels.

## EPA Requirements

The final rule approved in 1992 states that "effective October 1, 1993, all highway diesel fuel is required to comply with the maximum sulfur content standard of 0.05 percent by weight" and must "meet either the 40 cetane index minimum or 35 volume percent aromatic maximum."<sup>1</sup> These limits on sulfur and aromatics were initially proposed jointly by members of the diesel engine manufacturing and the petroleum refining industries back in 1989.<sup>2</sup> The regulation "includes, but is not limited to, any diesel fuel, fuel oil, furnace oil, heating oil, kerosene, jet fuel, JP-4, JP-5, JP-8, marine diesel or railroad diesel that is suitable for use as a diesel motor vehicle fuel or is suitable for blending with diesel motor vehicle fuel."<sup>3</sup> EPA requires that blue dye 1,4 - dialkylamino-anthraquinone be added to any diesel fuel or fuel suitable for blending with diesel motor vehicle fuel which is not in compliance with the sulfur and cetane standards. The blue dye will be added at the refinery for domestic production and at terminals for imports.

The blue dye added to the diesel fuel will not necessarily make the fuel appear blue and is not intended to

make it blue. An unspecified amount must simply be added. The dye is intended to change the color of the high sulfur diesel to make it "noticeably different" from the low sulfur diesel. With the variety of current colors and some of the exceptions to the requirements, color by itself will not determine a violation according to the EPA; color will only indicate that testing is warranted.

## Exceptions to Rules on Dyeing

High sulfur diesel used in refinery operations or as feedstocks does not need blue dye added. Even high sulfur diesel moving from one refinery to another does not need to be dyed if the diesel is for feedstock or refinery use and is segregated and documented as such during shipment.

The blue dye will not be added to high sulfur kerosene based jet fuels if there is a downstream use for the fuel in aircraft, if the fuel is segregated, and if it is documented as high sulfur kerosene based jet fuel. The reason kero-jet is not being dyed is to avoid confusion between it and some grades of aviation gasoline. One grade of aviation gasoline is blue in color; another is green.

According to Defense Fuel Supply Center (DFSC) officials, the current Department of Defense (DOD) plan calls for all on-highway diesel used by the U.S. military in the United States to comply with the low sulfur requirements. On August 20, 1993, EPA did grant DOD's request that high sulfur marine diesel supplied by the DFSC be exempt from the blue dye requirement if the fuel is clearly marked and segregated. The exemption is based on DOD's concern that the dye may cause stability problems in the fuel when it is in long-term storage.

<sup>1</sup> See Environmental Protection Agency's (EPA) final rule in the *Federal Register* on May 7, 1992, p. 19535 or EPA's "1993 Diesel Desulfurization Question and Answer Document," August 5, 1993, p. 9. A notice of proposed decision to exempt Alaska has been published in the *Federal Register*, August 27, 1993.

<sup>2</sup> *Federal Register*, August 24, 1989, p. 35277.

<sup>3</sup> EPA, "1993 Diesel Desulfurization Question and Answer Document," p. 1.

Figure 1 illustrates how the colors of diesel fuels and blending stocks will change on October 1. Of course there will undoubtedly be many degrees and shades of

colors between each of these described since (1) initial color of fuel varies depending on the chemical make up of the crude oil; (2) no particular end color is required; and (3) no specific amount of dye is required by EPA.

Figure 1. Changes In the Color of Diesel Fuel on October 1, 1993

Fuel	Colors		
	Early 1993	October 1, 1993 EPA Requirements	
		Low Sulfur	High Sulfur
Kerosene	Clear	Clear	
Kero-jet	Clear	Clear	Clear: aircraft use Blue: other uses
No. 1 Distillate	Clear	Clear, Blue <sup>a</sup>	Blue
No. 2 Distillate	Clear, Straw: natural Green, Red, Purple: premium Red: off-highway diesel from Canada	Clear, Straw: natural Red, Purple: premium	Blue, Green, Coffee: dyed Clear, Straw: DOD marine diesel

<sup>a</sup>May be dyed blue if intended for off-highway uses only or mixed with some high sulfur No. 1 distillate.

### Definition of "Low Sulfur"

Congress (in the Clean Air Act Amendments of 1990) and EPA (in its final rule) defined low sulfur as a maximum content of 0.05 percent sulfur by weight. An enforcement issue arose concerning sulfur levels between 0.05 and 0.06 percent by weight. EPA's position is that "as a matter of enforcement discretion," it "will take enforcement action only when its diesel sulfur test results are 0.055 weight percent or greater."<sup>4</sup>

Pipeline companies are requiring "on-highway" diesel fuel to meet more stringent specifications than EPA. They want to ensure that, even if a small amount of high sulfur fuel contaminated a low sulfur batch, the low sulfur batch would remain in compliance with EPA regulations. Colonial and Williams pipelines, for example, are requiring low sulfur on-highway diesel to contain no more than 0.047 percent sulfur content by weight.<sup>5</sup> Oil companies that want to ship on-highway diesel fuel by pipeline will have to meet the specifications required by the pipeline (as well as EPA) which means that the diesel fuel produced and shipped will be below EPA's enforcement threshold of 0.055 percent sulfur content by weight.

### California's Clean Diesel Regulations

Effective October 1, 1993, on- and off-highway motor vehicle diesel fuel sold in California will be limited to a maximum of 0.05 percent sulfur content by weight and must have aromatics reduced to no more than 10 percent volume, unless a refiner can prove that an alternative formulation will reduce emissions by an equivalent amount. The low sulfur regulations issued by the California Air Resources Board apply to such off-highway uses as agriculture, construction, and mining, but excludes stationary, marine, and railroad uses. The South Coast Air Basin (greater Los Angeles area) and Ventura county impose even stricter standards, requiring all No. 2 distillate sold in the area be both low sulfur and low aromatics.

<sup>4</sup>Environmental Protection Agency (EPA), "1993 Diesel Desulfurization Question and Answer Document," pp. 8-9; EPA also stated that it "will take enforcement action only as a result of a calculated cetane index of less than 39.5."

<sup>5</sup>Colonial also requires a higher minimum cetane rating than EPA. Colonial requires it to be 42 while EPA only requires it to be 40 (with enforcement occurring if below 39.5).

## **Impact of Requirements on Petroleum Marketing**

No. 2 diesel is not the only petroleum product affected by the low sulfur requirements. During winter months, kerosene, No. 1 distillate, or kero-jet is typically blended into diesel fuel to prevent clogging of fuel lines. No. 1 distillate and kero-jet are not normally low sulfur products. The supply of low sulfur No. 1 distillate and kero-jet will probably increase as a result of the regulations. The demand for "sweet" or low sulfur crude oil may increase as refiners try to position themselves to meet the new requirements for low sulfur diesel.

Storage and distribution of all petroleum products will become more challenging for pipelines, terminals, distributors, and retailers. Some pipeline companies, like Williams, for example, will no longer ship high sulfur No. 1 distillate. Some oil companies, particularly the smaller firms, will only sell high or low sulfur diesel. Even large oil companies that will market all products have announced that at selected terminals they will only carry high or low sulfur No. 1 and No. 2 distillate. Options open to companies to retain both on-highway and off-highway sales in a particular area include: (1)

manage available storage capacity to accommodate both low and high sulfur products; (2) enter into exchange agreements with competitors to obtain products not stored; (3) carry low sulfur products only and market these to all customers; and (4) buy or lease additional storage capacity.

### **IRS Requirements: Exempt-use Diesel will be Dyed**

Section 13242 of the Omnibus Budget Reconciliation Act of 1993 revises the Federal diesel fuel tax. Effective January 1, 1994, the tax collection point for diesel fuel is moved to the terminal. The tax must be paid unless the diesel fuel is destined for a nontaxable use and the fuel is indelibly dyed. Clear low sulfur fuel (which is taxed) that is used for tax exempt purposes will entitle the user to claim a refund. Any diesel fuel that is dyed will not be taxed and, hence, will not be allowed for use on-highway. Discussions between IRS and EPA and between IRS and oil company officials are ongoing and comments are being solicited from the public.



*All on-highway diesel must be low sulfur (.05 percent by weight) effective October 1, 1993.*



## Highlights



# Highlights

## Overview

Prices on international crude oil markets varied over a wide range in September 1993, falling in the first half of the month, then recovering strongly in the second half. The initial decline was due to the continued perception of weak worldwide supply/demand fundamentals, which had dominated markets since spring. The recovery began in mid-month, in advance of a meeting of the Organization of Petroleum Exporting Countries (OPEC), at which the cartel set a new output ceiling of 24.5 million barrels per day, a reduction from estimated September output. The latter part of the month also featured severe turmoil in Russia, centering on a power struggle between President Yeltsin and Parliament, but oil markets appeared to be only minimally affected.

In the United States, crude oil prices briefly dipped to the lowest level since before the Iraqi invasion of Kuwait, but finished the month on a strong upswing. The daily spot price of West Texas Intermediate crude oil at Cushing, Oklahoma, fell sharply through September 10, reaching a low of \$16.74 per barrel. After a brief lull, prices then climbed before and after the OPEC meeting, ending at \$18.72 per barrel, 48 cents above the end of August. The composite refiner acquisition cost of crude oil in the United States fell 25 cents (1.6 percent) in September, to \$15.59 per barrel.

U.S. petroleum product prices generally followed those for crude oil in September, with heating oil and gasoline completing their seasonal transposition. The New York Harbor daily spot price for unleaded regular gasoline declined over 4 cents to 47.3 cents per gallon on September 15, then partially recovered to close at 50.3 cents, down 1.2 cents for the month. The No. 2 heating oil spot price at New York Harbor decreased

**Table HL1. U.S. Refiner Prices and Volumes of Petroleum Products**  
(Prices: Cents per Gallon Excluding Taxes, Volumes: Million Gallons per Day)

Products	Sales to End Users						Sales for Resale					
	September 1993		August 1993		September 1992		September 1993		August 1993		September 1992	
	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume	Price	Volume
Motor Gasoline .....	74.9	57.5	76.2	58.5	82.3	58.8	61.5	267.3	62.9	274.3	71.0	268.3
Leaded Regular .....	75.1	.6	76.2	.5	83.3	.7	67.4	3.2	65.8	3.4	73.8	4.1
Unleaded Regular .....	69.9	36.9	71.3	37.5	78.0	38.7	58.1	181.5	59.6	186.6	67.8	187.2
Unleaded Midgrade .....	79.2	9.2	80.6	9.4	86.4	9.0	64.3	28.2	66.1	28.7	74.0	27.4
Premium .....	88.4	10.8	89.5	11.0	95.2	10.2	70.9	54.3	72.4	55.5	80.9	49.6
Aviation Gasoline .....	98.2	.2	98.8	.2	104.9	.2	96.3	.7	96.9	.8	102.3	.7
Kerosene-Type Jet Fuel .....	56.9	42.8	54.6	42.6	64.6	41.3	56.8	8.0	55.2	8.0	64.3	7.9
Propane (Consumer Grade) .....	69.0	3.3	63.1	2.5	60.3	3.4	34.1	27.2	33.3	24.9	35.4	25.8
Kerosene .....	66.5	.2	61.9	.1	70.5	.2	58.8	1.9	55.6	1.1	68.8	1.8
No. 1 Distillate .....	65.2	.3	58.9	.2	73.2	.3	66.1	1.4	57.9	1.0	71.4	1.9
No. 2 Distillate .....	60.2	23.4	56.0	23.5	65.3	25.1	57.3	101.3	52.2	99.2	63.0	105.4
No. 2 Fuel Oil .....	57.5	2.8	54.6	2.6	65.6	2.7	54.8	39.5	51.0	43.1	62.7	52.8
No. 2 Diesel Fuel .....	60.5	20.6	56.2	20.9	65.3	22.4	58.8	61.8	53.2	56.1	63.3	52.5
No. 4 Fuel <sup>a</sup> .....	46.0	.5	46.3	.4	55.2	.4	47.5	.1	46.7	.1	50.1	.2
Residual Fuel Oil .....	31.5	16.4	31.9	16.0	37.5	20.0	26.8	12.5	26.9	10.9	34.8	14.3
Sulfur Content not > 1 % .....	37.7	5.2	37.2	6.1	42.0	6.6	31.9	4.5	31.5	4.5	37.9	5.4
Sulfur Content > 1 % .....	28.6	11.2	28.7	9.9	35.3	13.5	24.0	8.0	23.7	6.4	32.9	8.9

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals or averages may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

only 2.5 cents through September 8, before climbing to end September at 56.0 cents per gallon, 3.5 cents above its end-of-September level. With seasonal reductions in gasoline volume, and increases in distillate and residual fuel oil, total refiner sales of the major petroleum products increased 600,000 gallons per day (0.1 percent) from August.

September sales activity for crude oil and the principal petroleum product groups is summarized in the following sections.

### ***Crude Oil***

The average free-on-board (f.o.b.) cost of imported crude oil purchased in September dropped 7 cents (0.5 percent) to \$14.14 per barrel. The average landed cost of foreign crude oil fell 32 cents (2.1 percent) to \$14.95 per barrel. Domestic crude oil first purchase prices decreased 30 cents (2.2 percent) to \$13.39 per barrel.

The average refiner acquisition cost of domestic crude oil in September was \$15.80 per barrel, a drop of 23 cents (1.4 percent) from August. The average cost of imported crude oil to U.S. refiners fell 26 cents (1.7 percent) to \$15.36 per barrel.

### ***Motor Gasoline***

Total refiner sales of finished motor gasoline in September fell 8.1 million gallons per day (2.4 percent) from August levels, to 324.7 million gallons per day. Wholesale sales decreased 7.0 million gallons per day (2.6 percent) and retail sales fell 1.0 million gallons per day (1.7 percent).

Average refiner prices for motor gasoline fell 1.3 cents to 74.9 cents per gallon at the retail level, and declined at the wholesale level by 1.4 cents to 61.5 cents per gallon. Including data reported by the sample of motor

gasoline marketers, national average retail prices dropped 1.2 cents to 75.1 cents per gallon at company-operated retail outlets, and 0.4 cent to 71.1 cents per gallon for sales to other end users. Average wholesale prices also fell, dropping 1.4 cents to 61.8 cents per gallon.

### ***No. 2 Distillate***

Total refiner sales of No. 2 distillate increased 2.0 million gallons per day (1.6 percent) to 124.7 million gallons per day. No. 2 fuel oil sales decreased 3.4 million gallons per day (7.4 percent) while No. 2 diesel fuel sales rose 5.4 million gallons per day (7.0 percent).

Average retail prices increased in all categories during September. The national average residential price rose 1.4 cents to 85.5 cents per gallon. The average wholesale price climbed 4.7 cents to 57.7 cents per gallon.

### ***Residual Fuel Oil***

Total refiner sales of residual fuel oil increased 1.9 million gallons per day (7.0 percent) to 28.9 million gallons per day. Low-sulfur residual fuel sales fell 900,000 gallons per day (8.5 percent), while high-sulfur sales increased 2.8 million gallons per day (17.1 percent).

Residual fuel oil prices rose slightly in almost all categories in September. Refiner retail prices increased 0.5 cent per gallon for low sulfur residual, and fell 0.1 cent per gallon for high-sulfur. Residual fuel wholesale prices for sales by refiners increased 0.4 cent and 0.3 cent per gallon for low-sulfur and high-sulfur, respectively. Including data reported by the sample of residual fuel oil marketers, average retail prices rose 0.3 cent per gallon for low-sulfur and 0.1 cent per gallon for high-sulfur. Average wholesale prices increased 0.2 cent per gallon for both low-sulfur and high-sulfur residual fuel oil.

## **Summary Statistics**

**Table 1. Crude Oil Prices**  
(Dollars per Barrel)

Year Month	Domestic First Purchase Prices	Average FOB <sup>a</sup> Cost of Crude Oil Imports <sup>b</sup>	Average Landed Cost of Crude Oil Imports <sup>b</sup>	Refiner Acquisition Cost of Crude Oil		
				Domestic	Imported	Composite
1976 Average .....	9.00	13.29	14.35	10.61	14.57	12.46
1979 Average .....	12.64	20.07	21.45	14.27	21.67	17.72
1980 Average .....	21.59	32.37	33.67	24.23	33.89	28.07
1981 Average .....	31.77	35.15	36.47	34.33	37.05	35.24
1982 Average .....	28.52	32.02	33.18	31.22	33.55	31.87
1983 Average .....	26.19	27.81	28.93	28.87	29.30	28.99
1984 Average .....	25.88	27.60	28.54	28.53	28.88	28.63
1985 Average .....	24.09	25.84	26.67	26.66	26.99	26.75
1986 Average .....	12.51	12.52	13.49	14.82	14.00	14.55
1987 Average .....	15.40	16.69	17.65	17.76	18.13	17.90
1988 Average .....	12.58	13.25	14.08	14.74	14.56	14.67
1989 Average .....	15.86	16.89	17.68	17.87	18.08	17.97
1990 Average .....	20.03	20.37	21.13	22.59	21.76	22.22
<b>1991</b>						
January .....	19.60	19.95	20.86	23.25	22.30	22.85
February .....	16.28	16.31	17.26	19.55	18.30	19.03
March .....	15.13	15.89	17.16	18.12	17.58	17.89
April .....	16.16	16.58	17.78	18.56	18.32	18.46
May .....	16.44	16.45	17.82	18.98	18.36	18.70
June .....	15.58	15.81	17.16	18.16	17.78	17.98
July .....	16.36	16.73	17.84	18.91	18.14	18.57
August .....	16.60	16.99	18.20	19.10	18.71	18.92
September .....	16.71	17.48	18.63	19.31	19.00	19.17
October .....	17.72	18.12	19.03	20.39	19.86	20.16
November .....	17.12	17.51	18.33	20.01	19.35	19.72
December .....	14.68	15.11	16.19	17.84	17.17	17.56
1991 Average .....	16.54	16.89	18.02	19.33	18.70	19.06
<b>1992</b>						
January .....	13.99	14.32	15.28	16.80	16.10	16.50
February .....	14.04	14.68	15.60	16.54	16.00	16.30
March .....	14.12	14.96	16.00	16.71	16.36	16.56
April .....	15.36	16.57	17.40	17.88	17.37	17.66
May .....	16.38	17.56	18.38	18.66	18.79	18.83
June .....	17.96	18.38	19.44	20.13	19.83	19.99
July .....	17.80	18.01	19.13	20.42	19.74	20.10
August .....	17.07	17.65	18.74	19.84	19.25	19.56
September .....	17.20	18.04	18.90	19.88	19.26	19.59
October .....	17.16	17.68	18.75	19.64	19.34	19.49
November .....	16.00	16.49	17.64	18.90	18.40	18.66
December .....	14.94	15.62	16.58	17.85	16.94	17.43
1992 Average .....	15.99	16.77	17.75	18.63	18.20	18.43
<b>1993</b>						
January .....	14.64	15.24	16.34	17.40	16.78	17.10
February .....	15.47	16.09	17.12	17.84	17.41	17.64
March .....	15.88	16.61	17.56	18.31	17.82	18.08
April .....	16.08	16.39	17.58	18.49	18.35	18.42
May .....	15.97	16.27	17.35	18.43	17.89	18.16
June .....	15.00	15.12	16.31	17.70	16.80	17.26
July .....	13.78	14.23	15.44	16.36	15.82	16.10
August .....	13.69	14.21	15.27	16.03	15.62	15.84
September .....	13.39	14.14	14.85	15.80	15.36	15.59

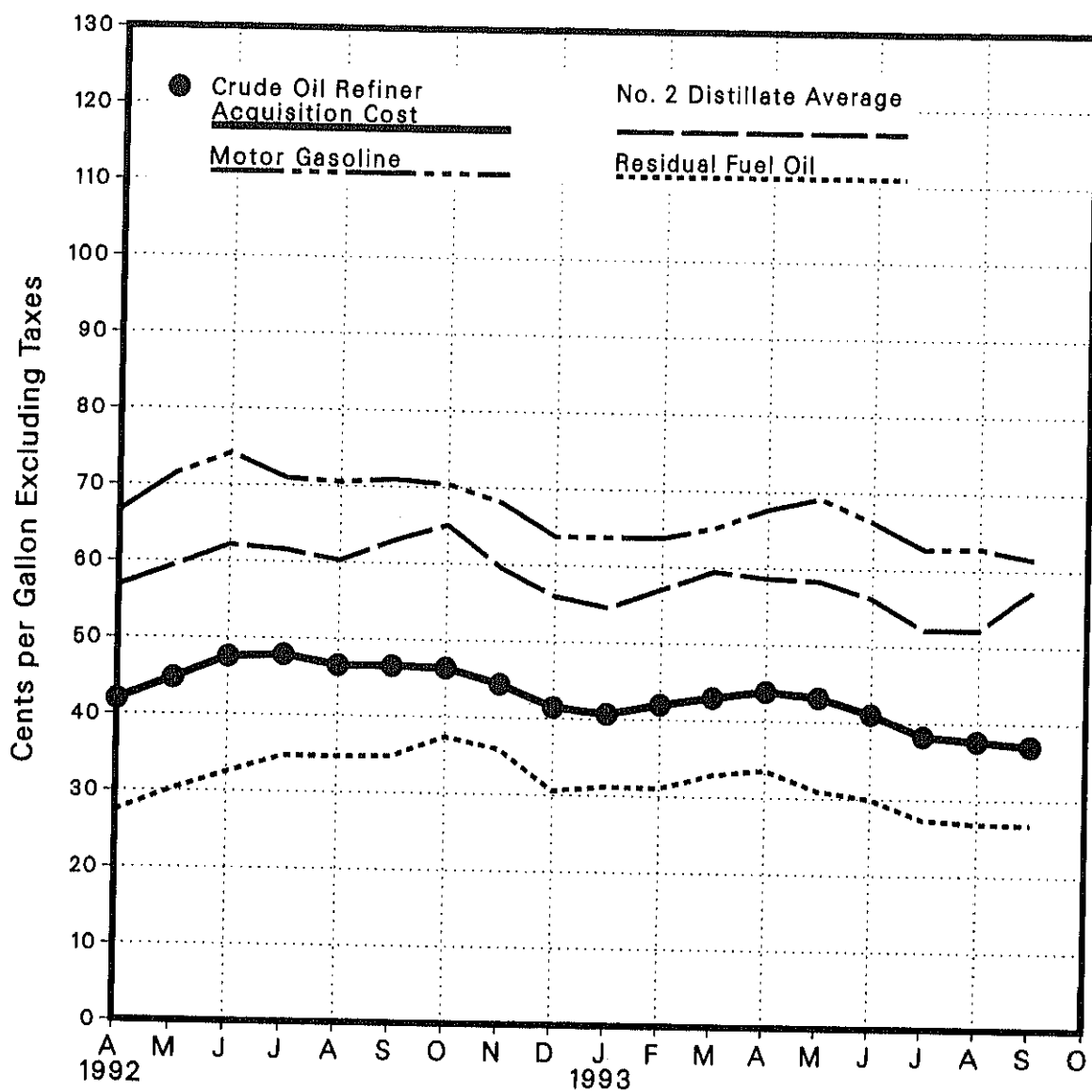
<sup>a</sup> FOB = Free on Board. See Glossary.

<sup>b</sup> Values through 1980 reflect the month of reporting; values since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Note: Values for Domestic First Purchase and Refiner Acquisition for the current month, and for Average FOB and Average Landed for current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Domestic first purchase prices -- See "Sources" from Table 20. Crude oil imports costs -- See "Sources" from Table 21. Refiner acquisition costs -- See "Sources" from Table 19.

Figure 1. Comparison of Crude Oil Prices to U.S. Wholesale Product Prices



Source: Energy Information Administration. Crude Oil: Form EIA-14, "Refiners Monthly Cost Report." Products: Form EIA-782A, "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

**Table 2. U.S. Refiner Prices of Petroleum Products to End Users**  
(Cents per Gallon Excluding Taxes)

Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Fuel	Average		
1978 Average .....	48.4	51.6	38.7	33.5	42.1	40.9	40.0	37.7	39.6	31.1	29.8
1979 Average .....	71.3	68.9	54.7	35.7	58.5	57.2	51.6	58.5	55.1	47.9	43.6
1980 Average .....	103.5	108.4	86.8	48.2	90.2	83.4	78.8	81.8	80.4	68.2	60.7
1981 Average .....	114.7	130.3	102.4	56.5	112.3	103.9	91.4	99.5	95.8	79.7	75.6
1982 Average .....	106.0	131.2	96.3	59.2	108.9	102.3	90.5	94.2	92.5	75.0	67.6
1983 Average .....	95.4	125.5	87.8	70.9	96.1	96.2	91.6	82.6	83.9	76.6	65.1
1984 Average .....	90.7	123.4	84.2	73.7	103.6	92.7	91.6	82.3	83.7	79.8	68.7
1985 Average .....	91.2	120.1	79.6	71.7	103.0	98.0	84.9	78.9	79.9	77.3	61.0
1986 Average .....	82.4	101.1	52.9	74.5	79.0	62.0	56.0	47.8	49.1	48.9	34.3
1987 Average .....	66.9	90.7	54.3	70.1	77.0	60.4	58.1	55.1	55.8	51.3	42.3
1988 Average .....	67.3	89.1	51.3	71.4	73.8	56.4	54.4	50.0	50.7	46.1	33.4
1989 Average .....	75.8	99.5	59.2	61.5	70.9	66.1	58.7	58.5	58.5	51.2	38.5
1990 Average .....	88.3	112.0	76.6	74.5	92.3	81.9	73.4	72.5	72.6	62.2	44.4
1991											
January .....	88.8	112.1	81.1	86.7	105.0	89.0	84.3	80.5	81.2	75.4	53.4
February .....	79.5	106.4	73.7	81.4	96.9	77.8	75.2	71.4	72.0	60.2	39.8
March .....	74.0	101.3	62.1	76.0	88.8	68.4	64.5	61.8	62.2	54.8	32.3
April .....	77.0	101.2	58.7	67.4	79.8	67.6	61.6	60.6	60.8	54.1	30.2
May .....	82.0	105.3	60.1	66.7	69.3	65.5	58.9	60.1	59.9	51.5	31.0
June .....	81.9	105.2	59.2	62.8	62.3	62.8	56.3	57.9	57.7	49.5	29.6
July .....	78.9	103.6	59.7	61.1	64.7	64.7	59.1	59.5	59.4	50.0	31.2
August .....	81.1	105.8	63.8	63.6	68.7	68.2	62.3	63.3	63.2	53.6	31.1
September .....	80.2	105.7	66.6	65.0	73.6	69.7	63.9	64.8	64.7	52.9	30.6
October .....	77.9	104.6	67.8	68.0	81.6	73.5	68.5	68.0	68.1	58.4	32.3
November .....	79.1	104.3	69.6	73.7	94.3	76.9	70.9	69.7	69.9	57.5	35.1
December .....	76.0	102.0	61.5	78.2	85.8	66.3	63.0	60.9	61.2	54.3	33.1
1991 Average .....	79.7	104.7	65.2	73.0	83.8	74.0	66.5	64.8	65.0	58.0	34.0
1992											
January .....	71.9	98.5	54.2	71.3	83.3	60.8	59.7	55.5	56.2	50.6	28.8
February .....	70.8	98.5	56.5	NA	78.3	63.1	62.0	57.1	57.7	49.8	27.7
March .....	71.6	98.0	55.5	66.4	80.2	63.2	61.4	56.8	57.4	51.8	27.7
April .....	75.2	99.1	57.3	70.3	78.3	65.3	60.6	59.2	59.4	49.7	29.6
May .....	80.8	102.4	61.0	62.5	73.3	67.4	60.9	62.1	62.0	51.7	33.4
June .....	84.5	106.4	63.9	54.5	68.7	69.3	62.9	64.9	64.7	52.5	34.5
July .....	83.5	106.8	64.9	52.3	70.5	68.9	62.8	64.5	64.3	51.9	36.7
August .....	82.3	105.7	64.2	55.8	69.0	66.2	62.3	63.4	63.3	55.3	38.8
September .....	82.3	104.9	64.6	60.3	70.5	73.2	65.6	65.3	65.3	55.2	37.5
October .....	81.3	104.3	66.4	59.9	87.2	75.1	68.2	67.8	67.8	57.9	39.2
November .....	81.5	103.4	62.7	61.1	83.3	72.0	64.3	64.5	64.5	56.3	39.4
December .....	76.5	101.3	58.9	68.4	84.0	66.6	63.6	60.8	61.2	53.7	36.2
1992 Average .....	78.4	102.7	61.0	66.2	78.6	66.5	62.7	61.8	61.9	52.6	33.8
1993											
January .....	76.9	100.3	58.5	74.8	82.4	64.4	62.7	59.0	59.8	52.4	35.3
February .....	76.1	99.9	59.8	74.3	81.3	66.5	64.6	60.6	61.2	52.4	34.4
March .....	75.7	99.4	60.6	75.4	83.2	69.2	66.2	62.9	63.3	54.5	35.6
April .....	77.8	100.7	59.7	69.4	77.0	66.9	61.9	62.5	62.4	54.8	36.3
May .....	80.1	102.2	59.9	67.3	88.8	65.8	59.8	62.3	62.0	52.3	36.8
June .....	79.8	102.5	58.7	63.9	85.3	64.0	57.9	60.5	60.2	50.2	34.7
July .....	77.6	99.7	55.3	62.2	81.4	61.5	54.1	56.9	56.6	45.4	33.2
August .....	76.2	98.8	54.6	63.1	81.9	58.9	54.6	56.2	56.0	46.3	31.9
September .....	74.9	98.2	56.9	69.0	86.5	65.2	57.5	60.5	60.2	46.0	31.5

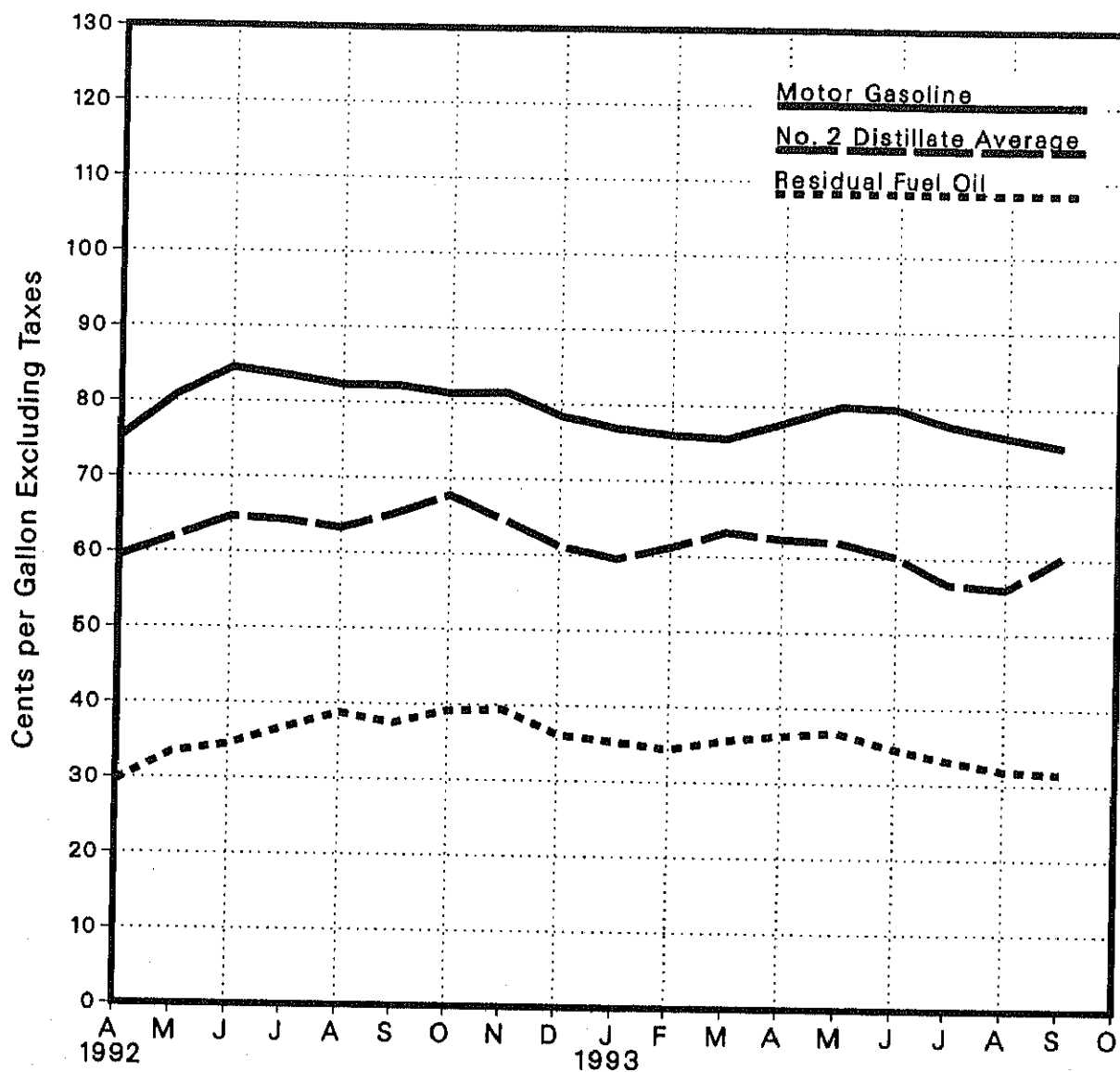
<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward. Energy Information Administration Form EIA-480, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

Figure 2. U.S. Refiner Retail Product Prices



Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

**Table 3. U.S. Refiner Volumes of Petroleum Products to End Users**  
(Million Gallons per Day)

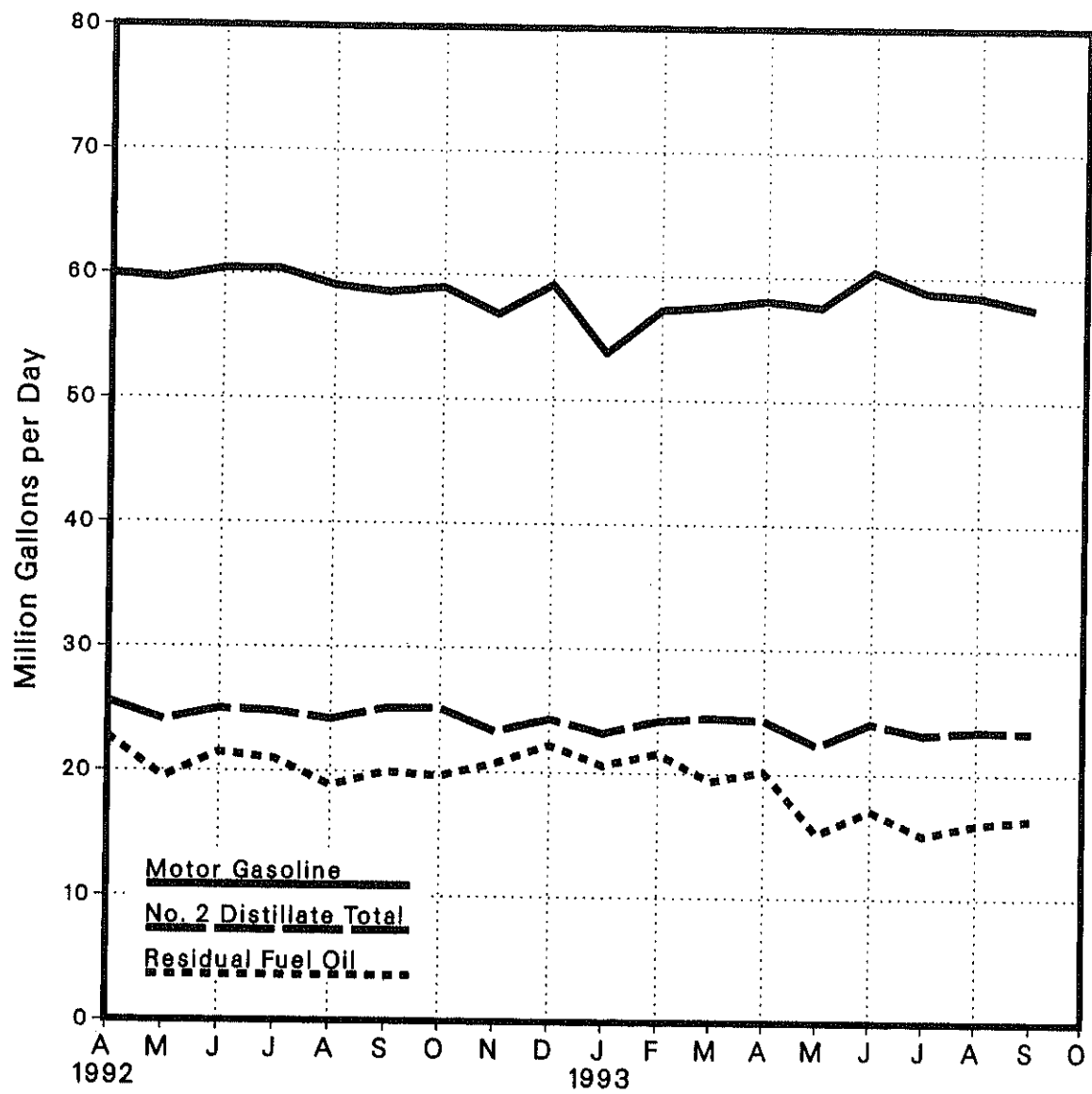
Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Fuel	Total		
<b>1983 Average</b> .....	51.1	0.4	30.8	3.1	0.2	0.5	3.7	23.3	27.0	0.7	28.3
<b>1984 Average</b> .....	57.8	.3	32.9	3.3	.3	.5	4.9	26.3	31.2	.7	32.9
<b>1985 Average</b> .....	57.5	.3	34.6	3.7	.3	.5	5.0	25.0	29.9	.5	25.2
<b>1986 Average</b> .....	61.4	.3	34.6	3.6	.3	.4	4.3	24.5	28.8	.6	31.7
<b>1987 Average</b> .....	61.0	.2	36.8	3.8	.3	.4	4.5	24.1	28.5	.8	29.0
<b>1988 Average</b> .....	61.0	.2	36.2	4.3	.3	.4	4.6	24.5	29.1	1.1	30.2
<b>1989 Average</b> .....	61.2	.2	40.1	2.8	.3	.5	4.5	24.3	28.8	.9	30.4
<b>1990 Average</b> .....	60.3	.2	39.9	2.7	.2	.5	3.6	22.2	25.9	.8	25.9
<b>1991</b>											
January .....	56.9	.2	37.3	5.0	.4	1.2	4.4	20.3	24.7	1.2	23.4
February .....	59.4	.2	35.4	3.8	.3	.8	3.6	19.8	23.4	1.0	22.7
March .....	61.6	.2	35.7	3.1	.2	.5	3.4	20.0	23.4	.8	25.4
April .....	62.0	.2	38.4	2.8	.2	.3	3.4	21.2	24.6	.7	22.1
May .....	62.2	.2	39.6	2.1	.1	.2	2.8	21.3	24.1	.4	23.2
June .....	63.3	.2	38.7	1.9	.2	.2	2.9	21.1	24.0	.5	25.9
July .....	62.6	.3	39.9	2.2	.2	.3	2.9	21.3	24.2	.6	28.3
August .....	62.5	.2	41.7	2.3	.3	.3	2.7	22.9	25.6	.5	24.8
September .....	60.3	.2	39.8	2.8	.1	.3	2.8	22.3	25.0	.5	23.1
October .....	61.2	.2	39.4	3.3	.2	.5	3.2	23.0	26.2	.4	19.8
November .....	60.4	.2	38.5	3.7	.2	.7	3.2	20.8	24.1	.6	21.7
December .....	61.5	.2	38.0	4.0	.3	.9	3.6	19.6	23.2	.7	27.6
<b>1991 Average</b> .....	61.2	.2	38.5	3.1	.2	.5	3.2	21.1	24.4	.7	24.0
<b>1992</b>											
January .....	56.4	.2	36.8	4.7	.3	.9	4.1	20.7	24.8	1.0	28.4
February .....	58.3	.2	37.9	4.5	.3	.7	3.4	20.6	23.9	.8	27.9
March .....	59.6	.2	38.5	3.8	.2	.5	3.3	21.9	25.2	.8	26.2
April .....	60.0	.2	39.3	2.7	.1	.3	3.2	22.4	25.6	.5	22.8
May .....	59.6	.2	39.1	2.1	.1	.2	2.8	21.3	24.1	.4	19.5
June .....	60.4	.2	41.3	2.7	.1	.2	2.9	22.1	25.0	.2	21.5
July .....	60.4	.2	42.0	3.2	.1	.3	2.8	22.0	24.8	.5	21.0
August .....	59.1	.2	42.1	3.1	.1	.2	2.6	21.6	24.2	.3	18.9
September .....	58.6	.2	41.3	3.4	.2	.3	2.7	22.4	25.1	.4	20.0
October .....	59.0	.2	40.3	4.3	.2	.4	3.0	22.0	25.1	.5	19.7
November .....	56.9	.2	40.1	5.4	.2	.6	2.8	20.6	23.3	.5	20.7
December .....	59.3	.2	38.9	5.9	.3	.9	3.6	20.7	24.3	.9	22.2
<b>1992 Average</b> .....	59.0	.2	39.8	3.7	.2	.5	3.1	21.5	24.6	.6	21.6
<b>1993</b>											
January .....	53.8	.1	39.2	4.9	.3	.8	3.4	19.7	23.2	.8	20.6
February .....	57.3	.2	39.2	5.2	.3	.9	3.7	20.5	24.2	.9	21.6
March .....	57.6	.2	40.8	4.4	.2	.6	3.4	21.1	24.5	.8	19.4
April .....	58.1	.2	40.7	3.1	.1	.3	3.0	21.3	24.3	.5	20.2
May .....	57.6	.2	41.5	2.0	.1	.2	2.4	19.9	22.3	.4	15.2
June .....	60.5	.2	42.1	2.3	.1	.3	2.9	21.2	24.1	.4	17.1
July .....	58.8	.2	43.1	2.1	.1	.3	2.6	20.6	23.2	.5	15.1
August .....	58.5	.2	42.6	2.5	.1	.2	2.6	20.9	23.5	.4	16.0
September .....	57.5	.2	42.8	3.3	.2	.3	2.8	20.6	23.4	.5	16.4

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals and averages may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Figure 3. U.S. Refiner Retail Product Volumes**



**Table 4. U.S. Refiner Prices of Petroleum Products for Resale**  
(Cents per Gallon Excluding Taxes)

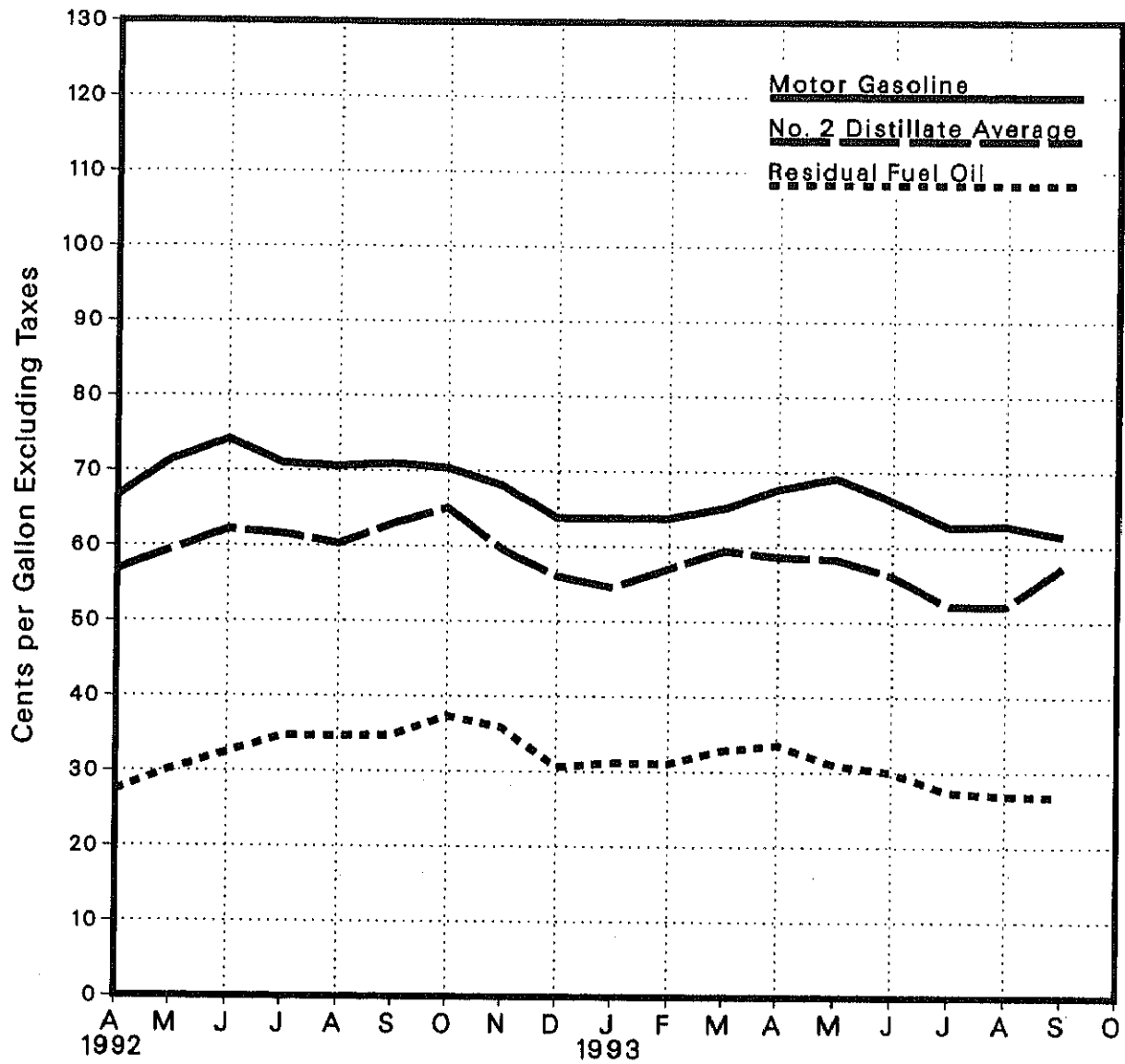
Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel*	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Fuel	Average		
<b>1978 Average</b> .....	43.4	53.7	38.6	23.7	40.4	40.6	36.9	36.5	36.7	30.5	26.3
<b>1979 Average</b> .....	63.7	72.1	66.0	29.1	62.4	58.3	56.9	57.4	57.1	47.0	39.9
<b>1980 Average</b> .....	94.1	112.8	86.8	41.5	86.4	88.0	80.3	80.1	80.2	67.0	52.8
<b>1981 Average</b> .....	106.4	125.0	101.2	46.6	106.6	107.1	97.6	97.2	97.4	78.3	66.3
<b>1982 Average</b> .....	97.3	122.8	95.3	42.7	101.8	103.6	91.4	91.4	91.4	73.7	61.2
<b>1983 Average</b> .....	88.2	117.8	85.4	48.4	89.2	89.6	81.5	80.8	81.2	72.6	60.9
<b>1984 Average</b> .....	83.2	116.5	83.0	45.0	91.6	89.2	82.1	80.3	81.3	70.7	65.4
<b>1985 Average</b> .....	83.5	113.0	79.4	39.8	87.4	86.3	77.6	77.2	77.4	67.2	57.7
<b>1986 Average</b> .....	53.1	91.2	49.5	29.0	60.6	57.9	48.6	45.2	47.0	40.9	30.5
<b>1987 Average</b> .....	58.9	85.9	53.8	25.2	59.2	59.9	52.7	53.4	53.1	46.2	38.5
<b>1988 Average</b> .....	57.7	85.0	49.5	24.0	54.9	54.9	47.3	47.3	47.3	42.5	30.0
<b>1989 Average</b> .....	65.4	95.0	58.3	24.7	66.9	66.8	56.5	56.7	56.6	48.0	36.0
<b>1990 Average</b> .....	76.6	106.3	77.3	36.6	83.9	83.6	69.7	69.4	69.5	59.0	41.3
<b>1991</b>											
January .....	76.2	111.2	82.0	42.2	88.0	85.7	76.6	75.5	76.1	71.6	50.2
February .....	68.0	104.2	74.0	31.6	76.1	74.7	67.9	67.4	67.7	60.1	33.4
March .....	67.3	97.4	62.4	31.3	66.2	68.0	59.6	57.7	58.6	52.9	28.2
April .....	70.7	97.8	58.9	31.8	63.0	65.4	57.2	57.4	57.3	50.3	28.7
May .....	74.2	100.3	60.8	31.9	61.4	63.3	56.0	57.2	56.7	47.0	30.3
June .....	70.5	99.5	58.8	29.3	59.0	58.9	54.0	54.5	54.3	45.3	29.7
July .....	69.1	98.9	59.4	27.6	62.6	62.4	56.7	57.1	56.9	46.8	28.8
August .....	72.7	100.2	63.3	29.6	67.1	67.8	60.6	61.9	61.3	49.5	27.9
September .....	69.1	99.9	65.9	34.9	68.9	69.6	62.1	62.9	62.5	46.6	27.9
October .....	68.8	98.8	67.1	40.2	73.5	73.6	66.3	65.6	65.9	50.8	29.5
November .....	69.9	99.5	68.2	43.0	74.6	75.6	66.6	66.5	66.6	54.4	30.7
December .....	62.9	97.3	60.1	37.7	62.6	64.7	55.9	55.6	55.7	53.4	28.9
<b>1991 Average</b> .....	69.9	100.1	65.0	34.9	72.2	73.0	62.2	61.5	61.8	55.6	31.4
<b>1992</b>											
January .....	60.0	94.9	53.9	30.9	59.9	58.4	51.9	51.4	51.7	49.5	24.4
February .....	61.7	93.1	55.2	30.2	62.0	62.1	54.0	54.1	54.0	48.2	25.6
March .....	62.7	92.5	54.6	29.5	59.1	62.3	53.7	54.0	53.9	46.5	24.6
April .....	66.6	96.4	56.9	29.0	61.6	64.3	56.5	57.0	56.8	46.5	27.4
May .....	71.5	100.5	60.8	29.4	62.1	66.6	58.8	60.1	59.5	48.4	30.2
June .....	74.2	101.5	63.3	31.6	63.7	69.3	61.7	62.7	62.2	49.5	32.5
July .....	71.0	102.0	64.8	31.5	65.7	68.8	61.3	61.8	61.6	49.5	34.7
August .....	70.6	102.6	63.9	32.9	64.2	68.0	60.1	60.4	60.3	49.1	34.7
September .....	71.0	102.3	64.3	35.4	68.8	71.4	62.7	63.3	63.0	50.1	34.8
October .....	70.4	100.5	66.0	36.6	70.1	73.6	64.6	65.5	65.1	52.7	37.4
November .....	68.1	99.7	61.5	36.2	64.5	68.7	58.8	60.4	59.6	52.2	35.9
December .....	63.8	97.6	58.9	36.3	62.8	63.7	55.7	56.4	56.0	51.6	30.6
<b>1992 Average</b> .....	67.7	99.1	60.4	32.8	63.2	65.1	57.9	59.0	58.5	49.5	30.7
<b>1993</b>											
January .....	63.8	96.9	57.7	40.2	61.4	63.2	54.4	54.9	54.6	50.3	31.2
February .....	63.8	96.5	60.5	36.7	63.7	65.7	56.9	57.4	57.1	49.3	31.1
March .....	65.2	97.4	60.3	38.2	65.4	67.4	59.0	60.0	59.5	53.8	32.9
April .....	67.7	97.7	59.9	36.2	60.8	65.4	57.5	59.9	58.7	52.4	33.6
May .....	69.2	99.4	60.1	34.0	58.3	66.5	58.9	59.6	58.4	51.3	31.0
June .....	66.2	99.1	58.4	33.8	56.9	63.0	54.9	57.2	56.2	46.9	30.0
July .....	62.7	97.9	55.1	33.3	53.6	59.0	51.0	53.1	52.2	45.4	27.4
August .....	62.9	96.9	55.2	33.3	55.6	57.9	51.0	53.2	52.2	46.7	26.9
September .....	61.5	96.3	56.8	34.1	58.8	66.1	54.8	58.8	57.3	47.5	26.8

\* Includes No. 4 fuel oil and No. 4 diesel fuel.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward. Energy Information Administration Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

**Figure 4. U.S. Refiner Wholesale Product Prices**



Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

**Table 5. U.S. Refiner Volumes of Petroleum Products for Resale**  
(Million Gallons per Day)

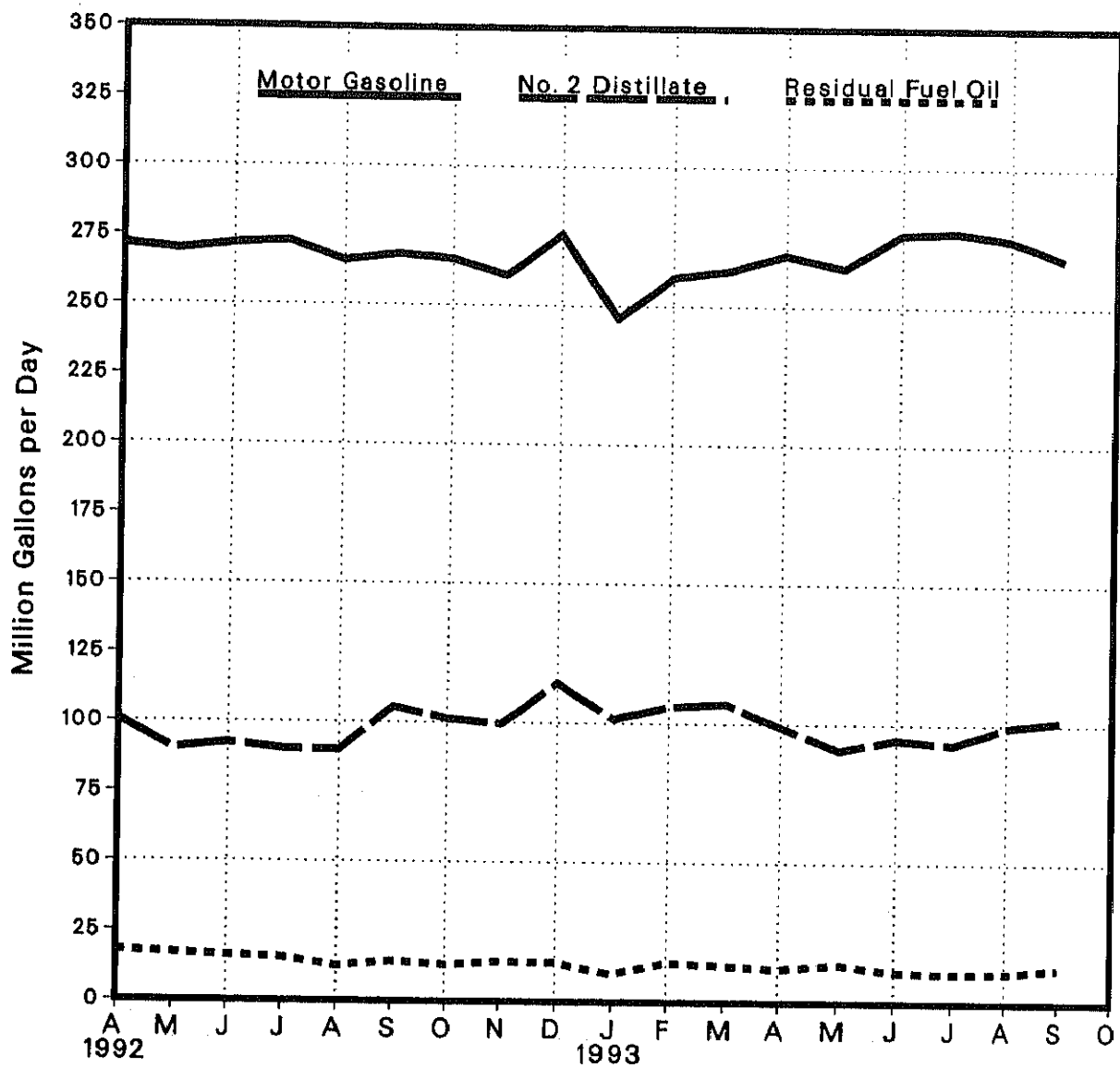
Year Month	Motor Gasoline	Aviation Gasoline	Kerosene- Type Jet Fuel	Propane (Consumer Grade)	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel <sup>a</sup>	Residual Fuel Oil
							No. 2 Fuel Oil	No. 2 Diesel Fuel	Total		
1983 Average .....	242.5	0.7	5.4	26.0	2.5	2.4	47.3	38.1	85.5	0.9	20.2
1984 Average .....	246.3	.8	6.6	26.7	2.2	2.6	51.4	42.8	94.2	1.7	21.3
1985 Average .....	256.9	.7	7.6	29.2	2.4	2.7	53.9	43.3	97.3	1.2	19.9
1986 Average .....	257.2	.7	10.1	26.3	2.4	2.4	54.5	46.6	101.1	1.2	18.7
1987 Average .....	257.2	.8	10.1	27.0	2.3	2.0	49.3	44.3	93.6	1.5	18.9
1988 Average .....	263.7	.7	10.0	27.7	2.7	2.6	50.1	47.8	97.9	1.2	18.9
1989 Average .....	260.7	.7	8.6	25.9	2.7	2.7	46.7	50.7	97.5	1.2	21.0
1990 Average .....	264.8	.7	8.8	25.5	2.2	2.4	45.9	51.9	97.8	.8	17.9
1991											
January .....	239.9	.5	8.9	33.8	4.4	5.8	61.9	50.3	112.2	.9	19.8
February .....	244.6	.5	9.7	30.9	3.3	3.2	55.1	47.5	102.6	.7	19.8
March .....	255.9	.6	8.4	24.8	2.0	1.7	49.3	52.3	101.7	.6	15.4
April .....	274.3	.7	8.7	21.8	.9	.9	43.8	52.3	96.1	.5	18.5
May .....	273.6	.8	7.5	19.1	.6	.7	40.4	52.2	92.6	.2	20.4
June .....	268.4	.9	9.3	19.9	.7	.8	41.8	53.3	95.1	.2	18.9
July .....	274.1	.9	9.8	23.6	.8	.8	42.7	52.0	94.8	.2	13.0
August .....	271.4	.9	9.2	23.2	1.0	1.0	42.2	52.8	95.0	.2	18.4
September .....	257.6	.8	8.2	24.0	1.7	1.5	40.7	52.5	93.2	.3	18.5
October .....	258.2	.7	7.8	26.2	2.2	2.8	46.5	56.6	103.1	.4	14.4
November .....	253.7	.5	8.1	27.5	3.2	4.8	43.5	47.0	90.5	.5	15.7
December .....	262.8	.5	9.0	30.1	3.9	4.5	54.5	48.3	102.8	.6	19.9
1991 Average .....	261.3	.7	8.7	25.4	2.1	2.4	46.9	51.5	98.3	.4	17.8
1992											
January .....	249.5	.5	7.4	33.9	4.6	4.6	61.7	47.9	109.6	.8	16.8
February .....	252.8	.5	8.7	28.4	3.4	3.0	56.4	45.7	102.1	.7	13.6
March .....	259.5	.7	7.6	24.1	2.4	1.7	50.4	49.4	99.8	.7	16.7
April .....	271.5	.6	7.7	21.6	1.2	.9	47.4	53.4	100.9	.4	17.9
May .....	269.5	.8	7.2	19.6	.8	.6	39.5	50.8	90.3	.3	17.1
June .....	271.7	.8	8.5	20.7	.9	.6	41.9	50.4	92.4	.1	16.2
July .....	272.8	.9	7.9	22.9	.6	.7	37.6	52.7	90.3	.2	15.6
August .....	265.8	.8	7.7	24.2	1.1	1.1	39.2	50.8	90.0	.2	12.6
September .....	268.3	.7	7.9	25.6	1.8	1.9	52.8	52.8	105.4	.2	14.3
October .....	268.6	.6	9.1	27.4	2.6	2.4	45.5	55.8	101.3	.5	13.1
November .....	260.9	.5	8.7	33.4	2.9	4.0	50.8	48.9	99.6	.5	14.3
December .....	275.8	.4	8.2	37.9	4.2	6.0	63.6	50.8	114.4	.8	14.0
1992 Average .....	265.7	.7	8.0	26.7	2.3	2.3	49.1	51.0	100.1	.4	16.0
1993											
January .....	245.4	.4	9.2	34.2	3.8	5.3	54.2	47.3	101.5	.6	10.1
February .....	260.3	.5	7.5	35.1	4.3	4.5	57.1	48.9	105.9	.7	14.2
March .....	263.0	.6	8.6	30.3	3.3	2.5	56.0	51.1	107.1	.8	13.2
April .....	268.6	.6	7.4	21.8	1.3	.8	47.1	51.8	99.0	.4	12.1
May .....	264.0	.7	7.2	19.0	.9	.6	40.1	50.7	90.8	.2	13.8
June .....	276.3	.8	7.2	23.3	.8	.7	42.3	52.4	94.6	.2	11.2
July .....	277.0	.8	7.7	21.5	.8	.6	39.5	53.3	92.8	.1	10.6
August .....	274.3	.8	8.0	24.9	1.1	1.0	43.1	56.1	99.2	.1	10.9
September .....	267.3	.7	8.0	27.2	1.9	1.4	39.5	61.8	101.3	.1	12.5

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals and averages may not equal the sum of components due to rounding.

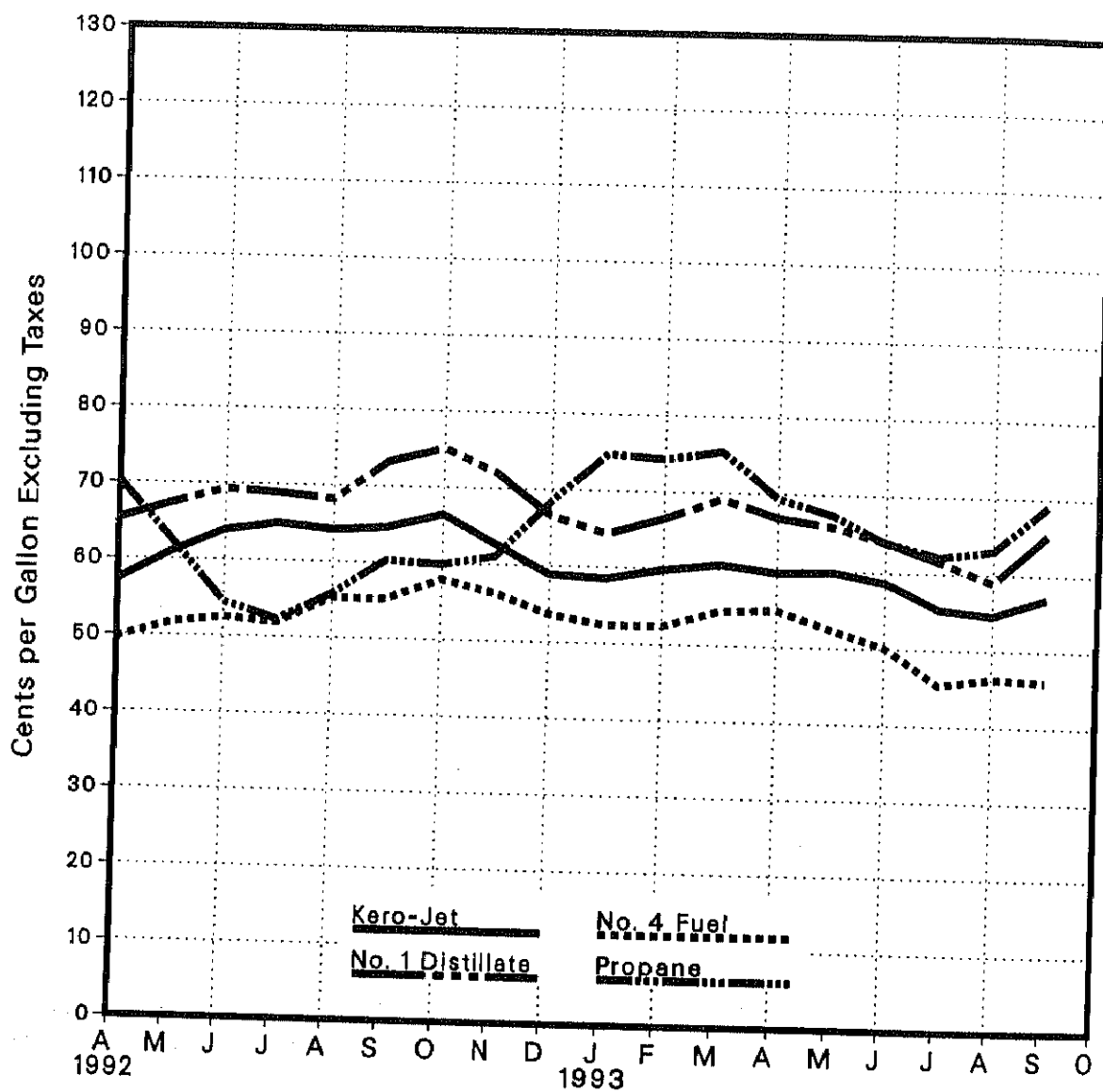
Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Figure 5. U.S. Refiner Wholesale Product Volumes**



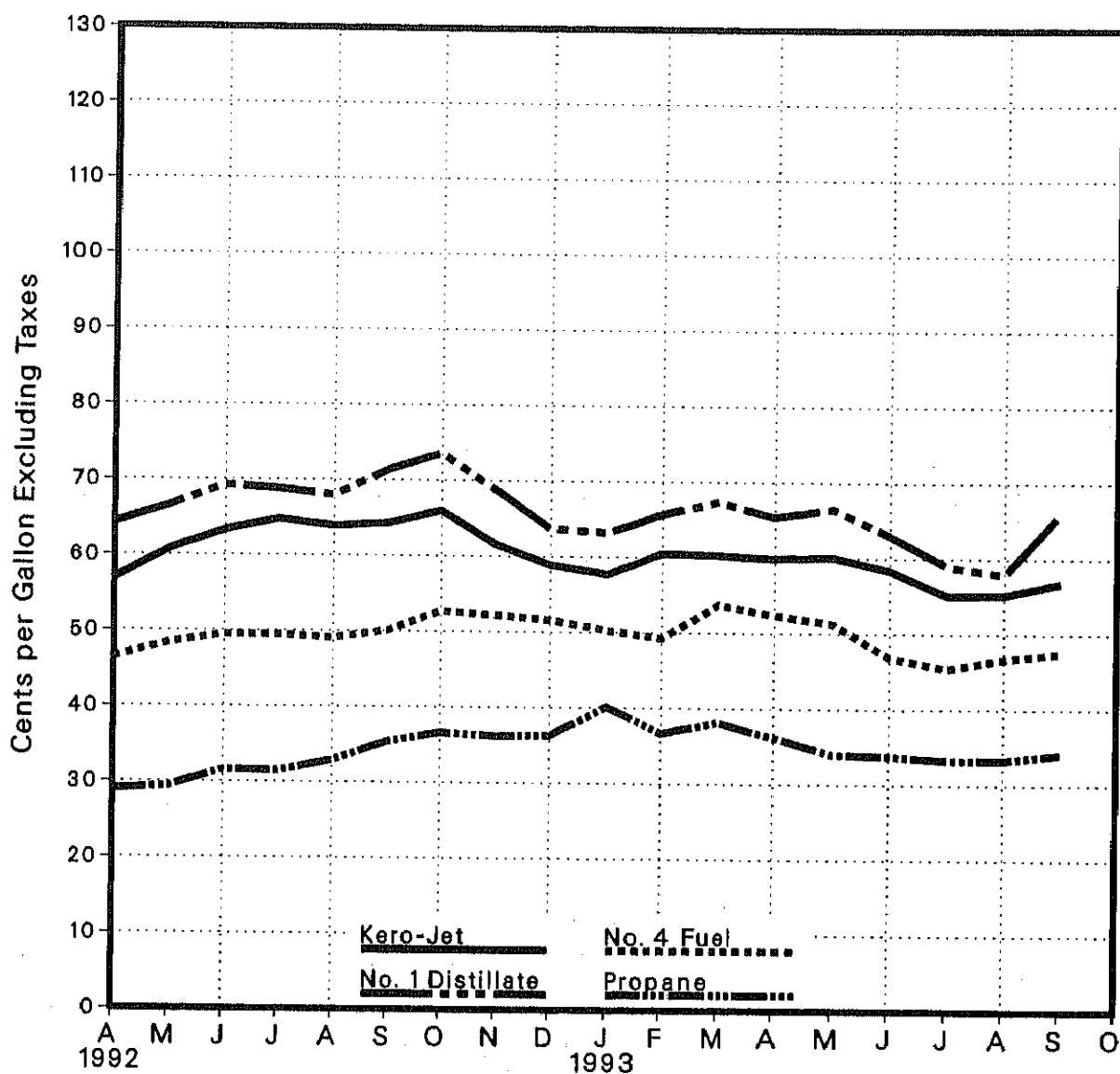
Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

**Figure 6. U.S. Refiner Retail Prices of Selected Products**



Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

Figure 7. U.S. Refiner Wholesale Prices of Selected Products



Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

**Table 6. U.S. Refiner Petroleum Product Prices to End Users by Seller**  
(Cents per Gallon Excluding Taxes)

Product	Major Refiners			Other Refiners			Average		
	Sept. 1993	Aug. 1993	Sept. 1992	Sept. 1993	Aug. 1993	Sept. 1992	Sept. 1993	Aug. 1993	Sept. 1992
Motor Gasoline .....	75.6	77.0	82.8	73.1	74.2	81.2	74.9	76.2	82.3
Leaded Regular .....	72.0	72.6	80.8	82.7	83.7	89.2	75.1	76.2	83.3
Unleaded Regular .....	70.0	71.4	77.9	69.9	71.1	78.3	69.9	71.3	78.0
Unleaded Midgrade .....	79.7	81.3	86.7	77.2	78.1	84.8	79.2	80.6	86.4
Premium .....	89.4	90.6	95.6	84.8	85.5	93.4	88.4	89.5	95.2
Aviation Gasoline .....	99.6	100.0	106.3	91.4	91.3	92.3	98.2	98.8	104.9
Kerosene-Type Jet Fuel .....	56.8	54.4	64.5	57.3	55.8	65.1	56.9	54.6	64.6
Propane (Consumer Grade) .....	42.4	40.4	43.2	NA	NA	66.4	69.0	63.1	60.3
Kerosene .....	68.0	62.0	70.4	59.3	60.9	70.5	66.5	61.9	70.5
No. 1 Distillate .....	61.5	55.1	69.4	69.8	65.8	78.5	65.2	58.9	73.2
No. 2 Distillate .....	60.1	55.4	65.1	60.6	58.3	66.4	60.2	56.0	65.3
No. 2 Fuel Oil .....	57.5	53.6	65.1	57.4	58.2	68.3	57.5	54.6	65.6
No. 2 Diesel Fuel .....	60.4	55.6	65.1	61.1	58.3	66.2	60.5	56.2	65.3
No. 4 Fuel <sup>a</sup> .....	46.3	45.6	55.3	45.0	52.4	54.7	46.0	46.3	55.2
Residual Fuel Oil .....	31.1	31.4	36.6	32.0	32.6	38.7	31.5	31.9	37.5
Sulfur Content not > 1 % .....	38.4	37.1	44.2	37.1	37.2	41.0	37.7	37.2	42.0
Sulfur Content > 1 % .....	28.4	28.4	34.9	28.8	29.1	36.3	28.6	28.7	35.3

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 7. U.S. Refiner Petroleum Product Prices for Resale by Seller**  
(Cents per Gallon Excluding Taxes)

Product	Major Refiners			Other Refiners			Average		
	Sept. 1993	Aug. 1993	Sept. 1992	Sept. 1993	Aug. 1993	Sept. 1992	Sept. 1993	Aug. 1993	Sept. 1992
Motor Gasoline .....	62.9	64.4	72.3	56.3	57.7	66.2	61.5	62.9	71.0
Leaded Regular .....	68.3	66.4	74.4	65.6	64.4	72.7	67.4	65.8	73.8
Unleaded Regular .....	59.2	60.8	68.8	55.2	56.6	65.1	58.1	59.6	67.8
Unleaded Midgrade .....	64.8	66.5	74.5	58.5	60.3	67.9	64.3	66.1	74.0
Premium .....	72.2	73.8	82.2	61.8	63.0	72.1	70.9	72.4	80.9
Aviation Gasoline .....	98.2	98.4	103.3	82.4	86.6	92.3	96.3	96.9	102.3
Kerosene-Type Jet Fuel .....	57.8	55.8	64.9	55.3	54.1	62.9	56.8	55.2	64.3
Propane (Consumer Grade) .....	34.1	33.4	35.6	34.2	33.2	34.9	34.1	33.3	35.4
Kerosene .....	61.2	57.8	70.1	NA	53.4	66.1	58.8	55.6	68.8
No. 1 Distillate .....	68.1	57.1	71.2	66.2	58.5	71.5	66.1	57.9	71.4
No. 2 Distillate .....	57.2	52.1	63.2	57.4	52.3	62.8	57.3	52.2	63.0
No. 2 Fuel Oil .....	54.5	51.0	62.8	55.2	51.0	62.5	54.8	51.0	62.7
No. 2 Diesel Fuel .....	58.7	53.1	63.5	59.1	53.3	63.1	58.8	53.2	63.3
No. 4 Fuel <sup>a</sup> .....	W	W	W	46.8	45.1	48.3	47.5	46.7	50.1
Residual Fuel Oil .....	27.4	26.0	34.9	25.7	26.3	34.6	26.8	26.9	34.8
Sulfur Content not > 1 % .....	34.5	35.4	38.8	28.0	29.1	37.3	31.9	31.5	37.9
Sulfur Content > 1 % .....	24.0	22.8	33.4	24.0	26.8	31.9	24.0	23.7	32.9

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 8. U.S. Refiner Petroleum Product Volumes to End Users by Seller**  
(Thousand Gallons per Day)

Product	Major Refiners			Other Refiners			Total		
	Sept. 1993	Aug. 1993	Sept. 1992	Sept. 1993	Aug. 1993	Sept. 1992	Sept. 1993	Aug. 1993	Sept. 1992
<b>Motor Gasoline</b> .....	42,172	42,444	43,334	15,305	16,030	15,245	57,477	58,474	58,579
Leaded Regular .....	404	356	521	165	174	225	570	530	746
Unleaded Regular .....	25,908	26,052	27,308	11,019	11,480	11,348	36,927	37,531	38,656
Unleaded Midgrade .....	7,304	7,447	7,314	1,858	1,977	1,645	9,163	9,424	8,959
Premium .....	8,555	8,589	8,191	2,262	2,399	2,028	10,817	10,888	10,219
<b>Aviation Gasoline</b> .....	190	188	206	37	31	23	227	229	229
<b>Kerosene-Type Jet Fuel</b> .....	36,877	37,207	35,762	5,923	5,368	5,588	42,800	42,575	41,350
<b>Propane (Consumer Grade)</b> .....	902	816	898	NA	NA	2,508	3,332	2,485	3,407
<b>Kerosene</b> .....	124	95	173	26	7	10	150	103	184
<b>No. 1 Distillate</b> .....	153	158	181	125	89	131	277	248	312
<b>No. 2 Distillate</b> .....	18,982	18,722	20,240	4,420	4,806	4,872	23,402	23,528	25,111
No. 2 Fuel Oil .....	2,091	2,065	2,241	888	517	434	2,779	2,582	2,675
No. 2 Diesel Fuel .....	16,891	16,657	17,999	3,732	4,289	4,437	20,623	20,946	22,436
<b>No. 4 Fuel<sup>a</sup></b> .....	397	331	328	123	39	66	520	371	394
<b>Residual Fuel Oil</b> .....	9,886	8,444	11,135	6,534	7,602	8,908	16,421	16,047	20,043
Sulfur Content not > 1 % .....	2,713	2,873	2,084	2,531	3,239	4,485	5,244	6,112	6,569
Sulfur Content > 1 % .....	7,173	5,571	9,052	4,004	4,364	4,422	11,177	9,935	13,474

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 9. U.S. Refiner Petroleum Product Volumes for Resale by Seller**  
(Thousand Gallons per Day)

Product	Major Refiners			Other Refiners			Total		
	Sept. 1993	Aug. 1993	Sept. 1992	Sept. 1993	Aug. 1993	Sept. 1992	Sept. 1993	Aug. 1993	Sept. 1992
<b>Motor Gasoline</b> .....	208,661	215,012	210,575	58,592	59,276	57,705	267,253	274,288	268,280
Leaded Regular .....	2,215	2,370	2,753	1,009	1,038	1,336	3,224	3,408	4,089
Unleaded Regular .....	133,291	137,935	139,476	48,185	48,707	47,684	181,476	186,642	187,160
Unleaded Midgrade .....	25,791	26,500	25,127	2,423	2,232	2,316	28,213	28,732	27,443
Premium .....	47,365	48,206	43,218	6,976	7,299	6,369	54,340	55,505	49,589
<b>Aviation Gasoline</b> .....	820	716	644	86	106	69	706	822	714
<b>Kerosene-Type Jet Fuel</b> .....	4,810	4,903	5,401	3,194	3,104	2,484	8,004	8,007	7,885
<b>Propane (Consumer Grade)</b> .....	15,791	14,590	15,488	11,449	10,327	10,088	27,240	24,917	25,576
<b>Kerosene</b> .....	1,044	525	1,180	NA	526	615	1,860	1,050	1,794
<b>No. 1 Distillate</b> .....	489	420	708	892	600	1,183	1,381	1,020	1,691
<b>No. 2 Distillate</b> .....	61,877	60,803	65,832	39,612	38,387	39,609	101,289	99,190	105,441
No. 2 Fuel Oil .....	22,238	27,059	34,974	17,264	16,074	17,870	39,502	43,133	52,844
No. 2 Diesel Fuel .....	39,439	33,744	30,858	22,348	22,313	21,739	61,787	56,057	52,597
<b>No. 4 Fuel<sup>a</sup></b> .....	W	W	W	W	W	W	132	109	190
<b>Residual Fuel Oil</b> .....	8,379	6,650	8,017	4,134	4,255	6,301	12,512	10,905	14,318
Sulfur Content not > 1 % .....	2,882	1,692	2,167	1,783	2,766	3,204	4,465	4,458	5,371
Sulfur Content > 1 % .....	5,696	4,959	5,851	2,351	1,489	3,097	8,047	6,448	8,947

<sup>a</sup> Includes No. 4 fuel oil and No. 4 diesel fuel.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 10. U.S. Refiner Total Motor Gasoline Prices, Volumes, and Percentages by Seller**

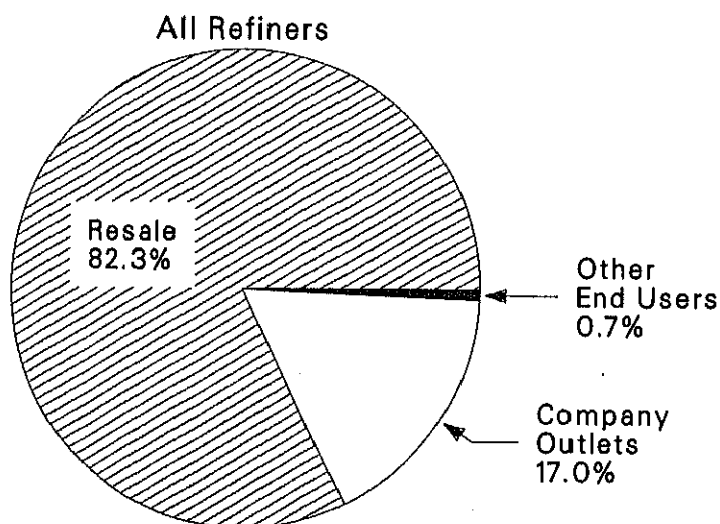
Sales Type Month	Major Refiners			Other Refiners			Total		
	Average Price (cents per gallon)	Volume (million gallons)	Percentage (by sales type)	Average Price (cents per gallon)	Volume (million gallons)	Percentage (by sales type)	Average Price (cents per gallon)	Volume (million gallons)	Percentage (by sales type)
<b>All Sales</b>									
September 1993 .....	65.1	7,525	100.0	59.8	2,217	100.0	63.9	9,742	100.0
August 1993 .....	66.4	7,981	100.0	61.2	2,334	100.0	65.3	10,316	100.0
September 1992 .....	74.1	7,617	100.0	69.3	2,189	100.0	73.0	9,806	100.0
<b>Sales to End Users</b>									
September 1993 .....	75.6	1,265	16.8	73.1	459	20.7	74.9	1,724	17.7
August 1993 .....	77.0	1,316	16.5	74.2	497	21.3	76.2	1,813	17.6
September 1992 .....	82.8	1,300	17.1	81.2	457	20.9	82.3	1,757	17.9
<b>Through Company Outlets</b>									
September 1993 .....	76.2	1,211	16.1	73.6	442	19.9	75.5	1,653	17.0
August 1993 .....	77.6	1,262	15.8	74.6	480	20.6	76.8	1,742	16.9
September 1992 .....	83.2	1,248	16.4	81.5	438	20.0	82.8	1,687	17.2
<b>Other End Users</b>									
September 1993 .....	62.0	54	.7	60.9	17	.8	61.7	71	.7
August 1993 .....	63.1	54	.7	63.2	17	.7	63.1	71	.7
September 1992 .....	71.9	52	.7	74.2	19	.9	72.5	71	.7
<b>Sales for Resale</b>									
September 1993 .....	62.9	6,260	83.2	56.3	1,758	79.3	61.5	8,018	82.3
August 1993 .....	64.4	6,665	83.5	57.7	1,838	78.7	62.9	8,503	82.4
September 1992 .....	72.3	6,317	82.9	66.2	1,731	79.1	71.0	8,048	82.1

Note: Values shown represent the percentage of major refiners (100 percent) or other refiners and gas plant operators (100 percent) sales by sales type. The sum of sales to end users and sales for resale is 100 percent for each seller type.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals or averages may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Figure 8. Percentages of Refiner Total Motor Gasoline Sales, U.S. Average**



Source: Energy Information Administration, Form EIA-782A, "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report," providing September 1993 data.

**Table 11. U.S. Refiner Motor Gasoline Prices by Grade and Sales Type**  
(Cents per Gallon Excluding Taxes)

Year Month	Leaded Regular			Unleaded Regular			Unleaded Midgrade			Premium		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>1983 Average</b> .....	91.2	88.1	85.0	98.0	91.5	89.5	NA	NA	NA	108.0	98.1	96.4
<b>1984 Average</b> .....	85.1	82.8	79.5	92.2	86.6	84.2	NA	NA	NA	102.1	93.7	91.6
<b>1985 Average</b> .....	84.6	82.0	79.3	92.5	86.1	84.3	NA	NA	NA	103.0	92.8	92.2
<b>1986 Average</b> .....	57.8	54.4	50.1	62.4	54.9	52.2	NA	NA	NA	74.8	63.0	61.0
<b>1987 Average</b> .....	62.3	57.4	58.5	65.9	58.4	56.9	NA	NA	NA	79.0	65.4	67.1
<b>1988 Average</b> .....	62.4	55.5	54.8	64.9	55.0	54.8	NA	NA	NA	79.4	64.9	67.2
<b>1989 Average</b> .....	71.6	64.4	63.1	72.0	62.9	61.8	79.8	69.5	68.6	87.4	73.7	74.9
<b>1990 Average</b> .....	83.4	76.8	75.4	85.3	77.5	75.8	92.3	84.0	81.4	99.0	87.3	87.4
<b>1991</b>												
January .....	86.6	75.8	75.1	85.9	76.2	73.5	93.2	81.1	79.2	100.6	86.2	85.5
February .....	76.2	66.7	65.2	76.5	68.6	65.5	83.7	73.0	71.2	90.9	77.6	77.4
March .....	66.1	63.4	59.2	70.9	67.0	65.1	78.5	70.4	70.7	85.0	75.2	75.5
April .....	66.5	67.3	62.4	73.9	70.5	68.6	82.2	74.8	74.1	88.3	78.8	79.1
May .....	72.0	73.2	67.6	78.9	73.9	71.7	87.3	78.5	77.7	93.5	82.8	83.4
June .....	72.7	67.3	65.3	78.8	70.5	67.6	87.3	74.4	74.2	93.3	79.2	80.4
July .....	68.5	66.6	62.9	75.5	68.5	66.3	84.6	72.5	72.6	90.6	76.9	78.6
August .....	70.3	70.8	67.2	77.6	72.1	69.9	86.8	76.0	76.1	92.9	80.4	81.9
September .....	72.0	69.3	67.6	76.7	68.8	66.0	85.7	73.4	72.4	91.9	77.9	79.2
October .....	70.4	68.3	66.1	74.4	67.8	65.9	83.1	70.9	71.7	88.8	76.1	78.2
November .....	70.1	70.2	66.3	75.6	68.2	66.9	84.1	73.6	73.0	90.6	78.9	79.3
December .....	69.5	66.2	62.0	72.3	61.6	59.5	80.5	67.0	66.7	88.1	70.0	73.0
<b>1991 Average</b> .....	71.7	69.0	65.7	76.4	69.6	67.2	84.7	73.8	73.3	91.2	78.2	79.2
<b>1992</b>												
January .....	67.2	63.6	56.2	67.6	57.3	56.5	76.8	60.7	63.7	85.5	66.7	70.2
February .....	66.6	64.9	58.5	66.4	59.7	58.5	75.4	61.2	65.0	84.5	69.1	71.6
March .....	66.3	NA	60.6	67.2	61.2	59.7	76.1	63.6	65.2	85.0	70.3	71.9
April .....	72.5	70.1	65.8	70.9	65.3	63.7	79.6	68.9	68.8	88.3	74.3	75.4
May .....	80.8	76.7	73.2	76.7	70.4	68.5	85.0	74.8	73.8	93.7	80.4	80.6
June .....	85.1	79.1	76.6	80.7	72.9	71.2	88.7	76.7	76.7	97.5	82.4	83.3
July .....	86.9	78.4	77.3	79.4	70.3	67.7	87.7	73.3	73.7	96.8	79.2	80.6
August .....	85.7	77.0	74.9	78.2	69.0	67.3	86.6	72.4	73.3	95.9	78.2	80.3
September .....	83.5	75.8	73.8	78.3	70.5	67.8	86.8	74.1	74.0	95.8	79.8	80.9
October .....	84.0	77.1	73.1	77.3	69.2	67.1	85.5	72.9	73.4	94.7	78.3	80.2
November .....	84.2	NA	71.7	77.4	67.6	64.4	85.7	70.9	72.2	95.2	76.5	78.9
December .....	81.0	73.8	65.2	74.3	62.7	60.0	82.9	66.1	68.2	92.5	71.9	74.4
<b>1992 Average</b> .....	78.5	74.2	69.3	74.5	66.3	64.4	82.8	69.1	70.7	91.3	75.6	77.3
<b>1993</b>												
January .....	78.4	70.6	63.3	72.6	61.6	60.2	81.6	66.1	68.1	90.6	70.9	74.2
February .....	75.9	71.2	64.4	71.9	62.1	60.4	80.8	66.4	67.5	88.6	71.7	73.3
March .....	71.6	72.6	63.9	71.5	62.9	62.0	80.7	67.3	68.7	88.3	71.6	74.7
April .....	73.0	76.4	66.7	73.5	65.6	64.6	82.9	70.0	70.8	91.7	75.1	76.7
May .....	77.0	78.5	69.4	75.8	67.8	66.1	84.9	72.3	72.3	93.7	77.9	78.4
June .....	78.2	77.7	69.5	75.6	66.6	62.9	84.6	69.9	69.7	93.4	75.1	76.0
July .....	77.8	75.3	66.9	73.2	61.3	59.3	82.4	65.5	66.1	91.2	70.8	72.5
August .....	76.2	74.4	65.8	71.7	61.1	59.6	81.1	64.9	66.1	90.2	70.2	72.4
September .....	75.3	68.9	67.4	70.4	59.7	58.1	79.7	63.2	64.3	89.2	68.9	70.9

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 12. U.S. Refiner Motor Gasoline Volumes by Grade and Sales Type**  
(Million Gallons per Day)

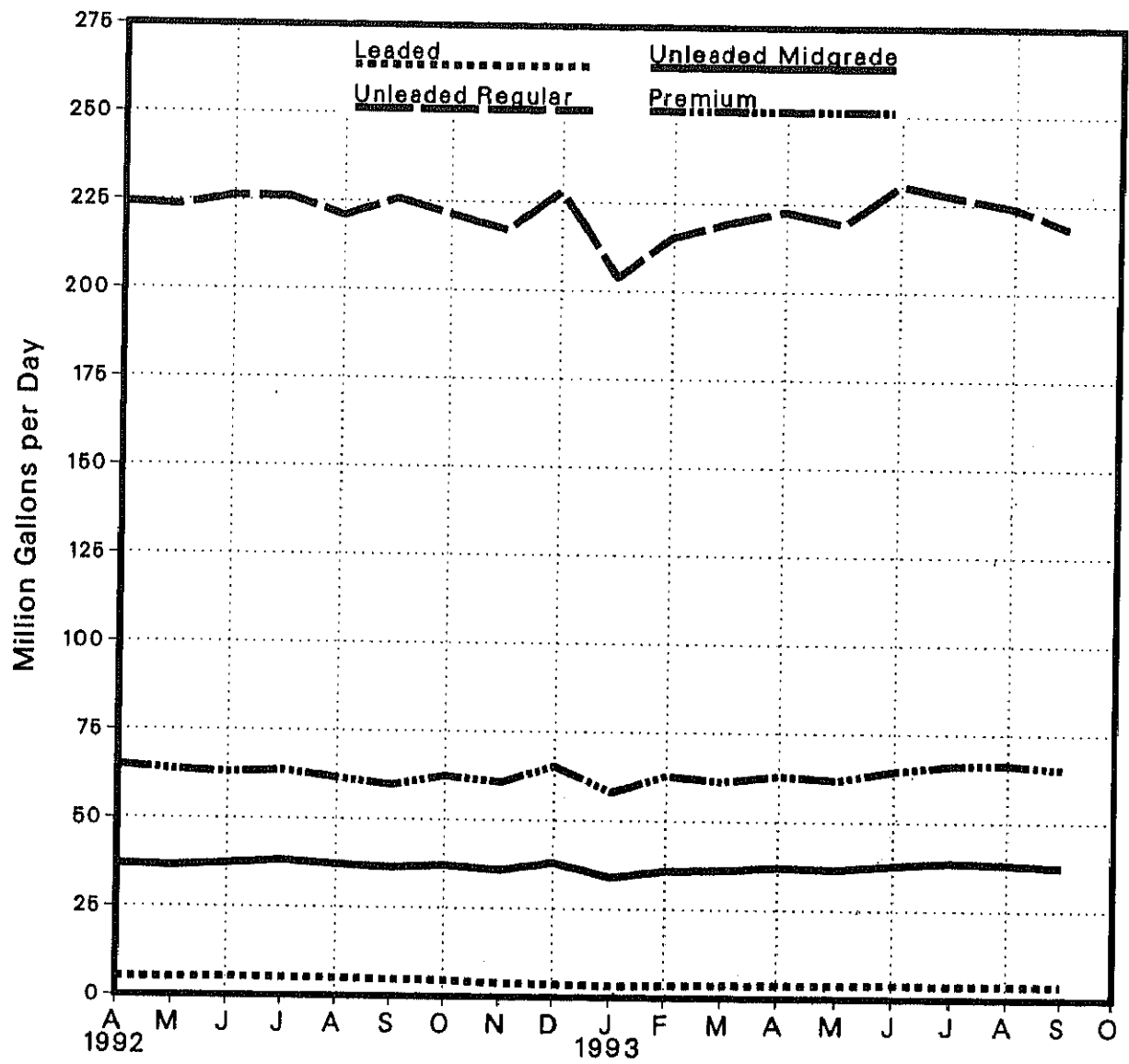
Year Month	Leaded Regular			Unleaded Regular			Unleaded Midgrade			Premium		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
1983 Average .....	17.3	4.1	115.4	20.0	3.6	98.3	NA	NA	NA	5.0	1.2	28.7
1984 Average .....	17.5	3.1	105.8	24.3	3.5	106.8	NA	NA	NA	8.5	.7	33.7
1985 Average .....	15.0	2.7	99.2	26.2	3.6	119.7	NA	NA	NA	9.2	.7	38.0
1986 Average .....	14.4	2.3	84.9	30.9	3.9	128.1	NA	NA	NA	9.0	.9	45.0
1987 Average .....	11.8	1.4	62.3	32.7	3.4	141.9	NA	NA	NA	11.2	.5	53.0
1988 Average .....	8.7	.7	47.7	34.2	3.1	163.8	NA	NA	NA	13.8	.6	62.4
1989 Average .....	4.7	.4	27.8	34.3	2.5	155.7	4.9	0.2	16.4	13.5	.7	60.8
1990 Average .....	2.1	.1	13.6	36.7	2.1	174.5	7.4	.2	23.1	11.2	.5	53.7
<b>1991</b>												
January .....	1.6	.1	9.0	36.5	2.0	168.2	7.0	.3	20.8	9.0	.4	42.0
February .....	1.7	.1	8.3	38.1	1.7	172.2	7.4	.2	20.9	10.0	.3	43.2
March .....	1.7	.0	9.0	39.1	1.9	178.9	7.6	.3	21.9	10.5	.4	46.0
April .....	1.6	.1	9.9	39.2	2.2	193.3	7.7	.2	23.3	10.3	.4	47.8
May .....	1.8	.1	9.4	39.4	2.2	191.2	7.9	.3	24.4	10.2	.4	48.6
June .....	1.8	.1	9.5	39.8	2.0	185.3	8.1	.3	24.4	10.8	.4	49.2
July .....	1.8	.0	9.8	38.9	2.0	187.9	8.2	.3	25.3	11.0	.4	51.0
August .....	1.8	.0	9.6	39.2	2.0	185.3	8.1	.3	25.4	10.8	.4	51.0
September .....	1.7	.0	8.3	37.5	2.0	177.8	7.9	.2	23.1	10.6	.4	48.3
October .....	1.5	.1	8.2	37.9	2.1	175.1	8.1	.3	24.0	10.8	.4	50.9
November .....	1.3	.0	6.2	37.1	2.1	173.9	8.4	.2	24.3	10.9	.4	49.3
December .....	1.1	.0	4.4	37.5	1.9	181.1	9.0	.2	25.9	11.2	.4	51.4
1991 Average .....	1.6	.1	8.5	38.4	2.0	180.9	7.9	.3	23.7	10.5	.4	48.3
<b>1992</b>												
January .....	.7	.0	3.7	34.4	1.9	170.2	8.4	.3	25.9	10.3	.4	49.7
February .....	.7	.0	3.8	35.5	1.9	172.8	8.7	.4	26.3	10.7	.4	49.9
March .....	.8	.0	4.0	36.3	2.0	177.8	8.9	.4	26.8	10.8	.4	50.9
April .....	.7	.0	4.4	36.7	2.0	185.6	9.0	.3	27.7	10.8	.4	53.8
May .....	.7	.0	4.3	36.8	1.9	184.9	8.9	.3	27.4	10.5	.4	52.9
June .....	.8	.0	4.5	37.8	1.9	186.6	9.0	.3	28.1	10.2	.4	52.4
July .....	.7	.0	4.4	37.5	1.8	186.8	9.1	.3	28.8	10.5	.4	52.8
August .....	.7	.0	4.3	37.1	1.7	182.1	8.9	.3	28.0	10.0	.4	51.3
September .....	.7	.0	4.1	37.0	1.7	187.2	8.7	.3	27.4	9.8	.4	49.6
October .....	.7	.0	3.9	37.0	1.7	182.8	8.9	.3	28.0	10.1	.4	51.9
November .....	.6	.0	3.3	35.6	1.6	179.9	8.6	.3	27.0	9.8	.4	50.6
December .....	.6	.0	3.1	36.9	1.6	189.5	9.1	.3	28.7	10.4	.4	54.5
1992 Average .....	.7	.0	4.0	36.6	1.8	182.5	8.8	.3	27.5	10.4	.4	51.8
<b>1993</b>												
January .....	.5	.0	2.8	33.4	1.5	169.1	8.3	.3	25.5	9.6	.3	48.1
February .....	.6	.0	2.9	35.1	1.7	178.6	8.7	.3	26.9	10.6	.4	51.8
March .....	.6	.0	3.1	35.4	1.8	182.3	8.7	.3	27.2	10.5	.4	50.4
April .....	.6	.0	3.3	36.3	1.8	184.7	8.8	.3	28.0	10.0	.4	52.6
May .....	.5	.0	3.3	35.9	1.7	181.7	8.8	.3	27.5	9.9	.4	51.6
June .....	.6	.0	3.4	37.8	1.8	190.8	9.2	.3	28.4	10.5	.4	53.7
July .....	.5	.0	3.3	36.3	1.5	189.3	9.2	.3	29.2	10.7	.4	55.2
August .....	.5	.0	3.4	35.9	1.6	186.6	9.1	.3	28.7	10.6	.4	55.5
September .....	.6	.0	3.2	35.3	1.7	181.5	8.9	.3	28.2	10.4	.4	54.3

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals and averages may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Figure 9. U.S. Refiner Total Motor Gasoline Sales Volumes**



Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

**Table 13. U.S. Refiner Total Motor Gasoline Prices by Seller**  
(Cents per Gallon Excluding Taxes)

Year Month	Major Refiners			Other Refiners			Average		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
1978 Average .....	49.4	46.2	43.8	46.2	45.8	42.1	48.9	46.1	43.4
1979 Average .....	72.8	68.0	64.3	71.0	67.5	61.8	72.1	67.9	63.7
1980 Average .....	105.6	98.7	95.1	103.0	97.8	91.3	104.6	98.5	94.1
1981 Average .....	117.0	109.4	107.5	114.2	108.4	103.2	115.9	109.2	106.4
1982 Average .....	108.2	101.1	98.3	105.6	100.2	94.3	107.2	100.9	97.3
1983 Average .....	97.0	90.6	89.0	95.2	89.7	85.6	96.4	90.5	88.2
1984 Average .....	92.0	85.7	84.2	90.0	84.9	80.2	91.4	85.6	83.2
1985 Average .....	93.0	85.7	84.7	89.8	83.5	79.9	92.1	85.2	83.5
1986 Average .....	64.1	57.6	54.4	61.2	52.7	48.7	63.2	55.8	53.1
1987 Average .....	68.7	59.2	60.1	65.3	55.2	55.0	67.8	57.5	58.9
1988 Average .....	69.2	57.8	59.3	65.2	54.1	52.7	68.1	56.4	57.7
1989 Average .....	77.1	66.2	66.8	73.5	63.3	60.8	76.3	65.2	65.4
1990 Average .....	89.4	79.6	80.0	87.0	80.0	74.0	88.8	79.7	78.6
1991									
January .....	89.8	78.0	77.4	88.0	78.5	72.0	89.3	78.1	76.2
February .....	80.5	70.3	69.0	78.4	70.1	64.4	79.9	70.3	68.0
March .....	74.7	68.6	67.6	72.8	68.4	65.7	74.2	68.5	67.3
April .....	77.6	72.3	71.0	76.3	71.4	69.5	77.3	72.1	70.7
May .....	82.8	75.8	75.0	81.0	75.2	71.2	82.3	75.7	74.2
June .....	82.9	72.0	71.7	80.6	72.1	66.2	82.3	72.1	70.5
July .....	79.9	69.9	69.9	77.7	70.7	66.0	79.3	70.1	69.1
August .....	82.1	73.5	73.5	79.5	74.4	69.5	81.4	73.7	72.7
September .....	81.2	70.8	70.4	79.0	69.9	64.6	80.6	70.6	69.1
October .....	78.8	69.1	69.7	77.2	70.3	65.3	78.4	69.4	68.8
November .....	79.7	70.2	71.0	78.9	69.8	65.9	79.5	70.1	69.9
December .....	76.9	63.5	64.4	75.4	63.4	57.2	76.5	63.5	62.9
1991 Average .....	80.5	71.3	70.9	78.7	71.1	66.5	80.0	71.3	69.9
1992									
January .....	73.5	68.8	61.5	69.7	60.4	54.3	72.5	59.2	60.0
February .....	72.2	61.4	63.0	68.8	61.0	56.9	71.3	61.3	61.7
March .....	72.8	62.8	63.7	69.7	63.7	59.2	72.0	63.0	62.7
April .....	76.2	67.4	67.4	73.8	66.5	63.7	75.6	67.1	66.6
May .....	81.9	72.5	72.5	79.4	72.2	67.8	81.2	72.5	71.5
June .....	85.7	74.7	76.3	83.1	75.3	70.0	85.0	74.9	74.2
July .....	84.5	71.3	72.3	82.6	74.2	65.7	84.0	72.1	71.0
August .....	83.3	70.2	71.9	81.2	72.7	65.4	82.8	70.9	70.6
September .....	83.2	71.9	72.3	81.5	74.2	66.2	82.8	72.5	71.0
October .....	82.3	71.1	72.0	80.4	71.3	64.9	81.8	71.1	70.4
November .....	82.7	69.4	70.4	80.0	69.8	60.2	82.0	69.5	68.1
December .....	79.9	64.5	68.0	76.6	65.2	55.8	79.0	64.6	63.8
1992 Average .....	79.5	68.0	69.1	77.3	68.7	62.5	78.9	68.2	67.7
1993									
January .....	78.1	63.7	65.7	75.3	63.3	58.6	77.4	63.6	63.8
February .....	77.4	64.5	65.5	74.4	63.3	57.4	76.6	64.2	63.8
March .....	76.9	65.0	66.5	74.3	64.4	60.2	76.2	64.8	65.2
April .....	78.8	68.1	68.7	76.7	66.5	63.6	78.3	67.7	67.7
May .....	81.2	70.4	70.4	78.7	69.0	64.7	80.5	70.0	69.2
June .....	80.8	68.0	67.7	78.8	69.2	60.8	80.2	68.9	68.2
July .....	78.8	63.9	64.3	76.2	62.4	58.8	78.1	63.4	62.7
August .....	77.6	63.1	64.4	74.8	63.2	57.7	76.8	63.1	62.9
September .....	76.2	62.0	62.9	73.6	60.9	56.3	75.5	61.7	61.5

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1993 forward. Energy Information Administration Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

**Table 14. U.S. Refiner Total Motor Gasoline Volumes by Seller**  
(Million Gallons per Day)

Year Month	Major Refiners			Other Refiners			Total		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>1983 Average</b> .....	27.1	8.0	185.6	15.1	0.8	56.8	42.3	8.8	242.5
<b>1984 Average</b> .....	34.5	6.3	188.2	15.8	1.0	58.1	50.3	7.3	246.3
<b>1985 Average</b> .....	35.8	5.4	194.7	14.7	1.8	62.1	50.5	7.0	256.9
<b>1986 Average</b> .....	38.3	4.5	196.2	16.0	2.7	61.1	54.2	7.1	257.2
<b>1987 Average</b> .....	40.2	3.1	198.5	15.5	2.2	58.7	55.7	5.3	257.2
<b>1988 Average</b> .....	40.9	2.8	199.9	15.8	1.6	63.8	56.7	4.4	263.7
<b>1989 Average</b> .....	44.1	2.4	200.9	13.4	1.3	59.8	57.5	3.8	260.7
<b>1990 Average</b> .....	43.2	2.4	204.7	14.2	.6	60.1	57.4	3.0	264.8
<b>1991</b>									
January .....	40.0	2.1	185.7	14.2	.6	54.3	54.2	2.8	239.9
February .....	42.4	1.7	191.1	14.7	.6	53.5	57.1	2.3	244.6
March .....	44.1	2.0	204.0	14.8	.7	51.9	58.9	2.6	255.9
April .....	43.5	2.2	214.0	15.5	.8	60.3	59.0	3.0	274.3
May .....	43.9	2.4	214.2	15.3	.7	59.4	59.2	3.0	273.6
June .....	45.2	2.1	210.5	15.4	.7	57.9	60.6	2.8	268.4
July .....	44.1	2.0	216.9	15.7	.8	57.2	59.8	2.8	274.1
August .....	44.4	2.0	213.2	15.4	.7	58.2	59.8	2.7	271.4
September .....	42.9	1.9	199.2	14.8	.7	58.3	57.7	2.6	257.6
October .....	42.9	2.1	206.0	15.3	.8	52.1	56.3	2.9	258.2
November .....	43.2	2.0	199.4	14.4	.8	54.4	57.7	2.8	253.7
December .....	44.4	2.0	208.1	14.5	.7	54.8	58.9	2.6	262.8
<b>1991 Average</b> .....	43.4	2.0	205.3	15.0	.7	56.0	58.4	2.7	261.3
<b>1992</b>									
January .....	39.3	1.9	197.4	14.5	.7	52.2	53.8	2.6	249.5
February .....	40.9	2.0	199.1	14.7	.7	53.8	55.6	2.7	252.8
March .....	42.1	2.1	200.7	14.7	.7	58.8	56.8	2.8	259.5
April .....	41.8	2.0	212.4	15.5	.7	59.0	57.2	2.7	271.5
May .....	41.9	2.0	211.2	15.0	.7	56.3	57.0	2.6	269.5
June .....	42.6	2.0	214.3	15.1	.7	57.4	57.7	2.6	271.7
July .....	42.3	1.8	216.2	15.6	.7	56.8	57.9	2.5	272.8
August .....	41.8	1.7	210.8	14.9	.6	55.1	56.7	2.3	265.8
September .....	41.6	1.7	210.6	14.6	.6	57.7	56.2	2.4	268.3
October .....	41.2	1.8	206.8	15.3	.7	59.8	56.6	2.4	266.6
November .....	40.0	1.6	202.6	14.6	.8	58.4	54.6	2.3	260.9
December .....	41.9	1.7	215.0	15.1	.6	60.8	57.1	2.2	275.8
<b>1992 Average</b> .....	41.5	1.9	207.8	15.0	.7	57.9	56.5	2.5	265.7
<b>1993</b>									
January .....	37.9	1.6	194.8	13.8	.5	50.7	51.8	2.1	245.4
February .....	39.9	1.7	205.4	15.0	.6	54.9	55.0	2.3	260.3
March .....	40.1	1.8	205.4	15.0	.6	57.6	55.2	2.5	263.0
April .....	40.8	1.8	211.8	14.9	.7	56.8	55.7	2.5	268.8
May .....	40.5	1.8	207.5	14.7	.8	56.5	55.2	2.4	264.0
June .....	42.2	1.8	216.1	15.9	.6	60.2	58.1	2.4	276.3
July .....	41.5	1.6	218.8	15.2	.5	58.2	56.7	2.1	277.0
August .....	40.7	1.7	215.0	15.5	.6	59.3	56.2	2.3	274.3
September .....	40.4	1.8	208.7	14.7	.6	58.6	55.1	2.4	267.3

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 15. U.S. No. 2 Distillate Prices**  
(Cents per Gallon Excluding Taxes)

Year Month	Sales to End Users						Sales for Resale
	To Residential Consumers <sup>a</sup>	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets <sup>b</sup>	To Other End Users <sup>c</sup>	Average	
<b>1983 Average</b> .....	107.8	86.3	86.3	94.3	89.7	93.3	81.8
<b>1984 Average</b> .....	109.1	85.7	87.0	92.0	89.2	92.6	81.9
<b>1985 Average</b> .....	105.3	82.1	83.4	88.6	85.3	89.0	78.1
<b>1986 Average</b> .....	83.6	51.4	53.7	59.8	56.9	61.4	48.0
<b>1987 Average</b> .....	80.3	56.6	59.7	64.4	63.1	64.3	53.5
<b>1988 Average</b> .....	81.3	51.9	54.2	61.6	58.7	61.2	48.2
<b>1989 Average</b> .....	90.0	60.8	63.8	68.5	66.7	69.5	57.2
<b>1990 Average</b> .....	108.3	75.1	78.0	85.2	82.8	84.1	70.6
<b>1991</b>							
January .....	117.1	84.1	85.0	90.6	89.2	96.3	76.9
February .....	110.5	75.1	76.3	81.1	79.3	86.8	68.7
March .....	102.6	65.2	67.0	72.0	71.7	76.3	59.9
April .....	98.9	63.0	65.8	70.4	71.0	71.3	58.0
May .....	92.5	61.7	64.2	69.9	70.3	68.0	57.3
June .....	89.3	59.6	62.1	67.8	68.1	65.2	55.1
July .....	86.6	61.4	64.3	68.5	69.1	66.4	57.6
August .....	87.0	64.9	68.1	72.0	72.5	69.8	61.8
September .....	89.7	66.6	70.5	73.9	74.9	72.4	63.1
October .....	94.0	70.2	73.2	76.3	77.8	76.3	68.5
November .....	98.0	71.6	74.4	78.9	77.3	79.5	68.9
December .....	95.9	63.3	65.8	74.1	69.4	75.1	58.6
<b>1991 Average</b> .....	101.9	67.5	69.7	74.5	73.8	76.0	62.7
<b>1992</b>							
January .....	94.2	58.9	60.9	67.9	65.3	72.7	52.8
February .....	94.2	60.7	62.7	67.3	66.5	73.0	54.9
March .....	93.2	59.8	62.5	67.4	67.5	71.1	54.6
April .....	92.6	61.5	65.5	69.5	69.9	70.3	57.5
May .....	92.3	63.8	67.9	72.0	73.3	70.9	60.1
June .....	92.0	66.0	70.4	74.2	74.4	72.0	62.7
July .....	90.4	65.4	69.9	74.6	73.5	71.3	62.1
August .....	88.6	64.4	68.8	73.8	73.1	70.5	60.9
September .....	90.1	66.9	70.9	74.3	75.5	73.1	63.6
October .....	93.7	68.8	72.7	76.2	77.5	76.1	65.4
November .....	94.8	65.3	69.0	74.9	73.9	75.1	60.3
December .....	94.5	63.0	66.0	72.1	69.9	74.9	57.0
<b>1992 Average</b> .....	93.4	63.9	67.5	71.8	72.1	72.6	59.1
<b>1993</b>							
January .....	94.3	61.6	64.3	70.3	68.4	74.2	55.7
February .....	94.6	63.5	65.7	70.2	69.9	75.7	58.1
March .....	95.4	65.3	67.8	72.2	71.7	76.1	60.1
April .....	92.5	63.9	68.9	72.2	72.2	72.2	59.3
May .....	91.0	63.2	68.2	71.4	72.6	69.9	58.9
June .....	88.9	61.3	66.8	70.7	69.9	67.8	56.7
July .....	85.6	58.0	63.6	68.7	67.0	64.7	53.0
August .....	84.1	57.8	63.4	67.4	67.1	64.8	53.0
September .....	85.5	62.1	67.9	70.4	72.0	69.2	57.7

<sup>a</sup> No. 2 fuel oil only.

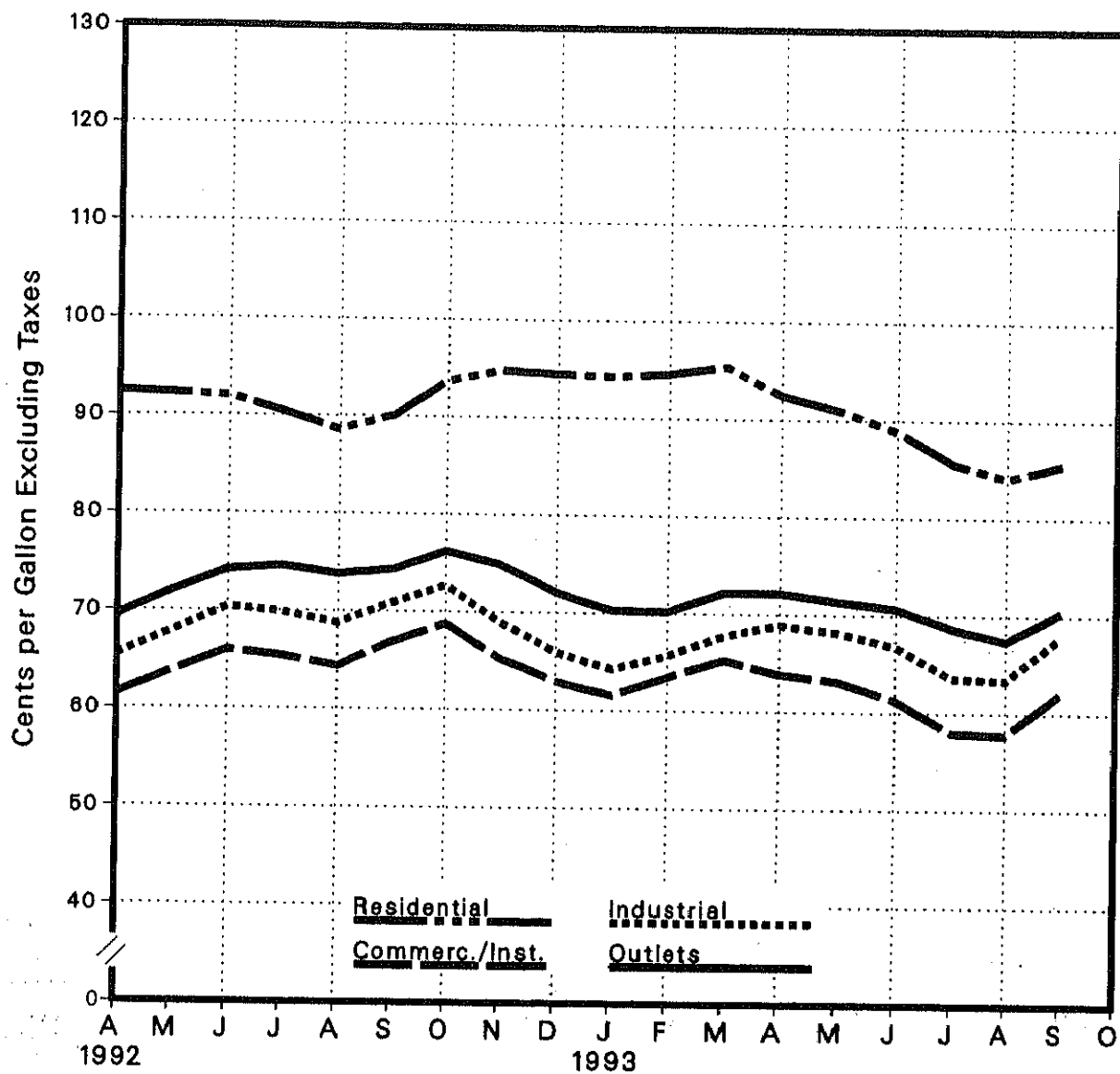
<sup>b</sup> No. 2 diesel fuel only.

<sup>c</sup> Sales to "other end users" are all end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Figure 10. U.S. No. 2 Distillate Average Retail Prices**



Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

**Table 16. Prices of No. 2 Distillate to Residences  
by Selected States**  
(Cents per Gallon Excluding Taxes)

Year Month	CT	ME	MA	NH	RI	VT	DE	DC	MD	NJ	NY	PA	VA
1978 Average .....	50.1	48.6	48.6	50.3	50.7	50.8	47.8	50.7	49.2	49.6	50.1	48.8	49.1
1979 Average .....	72.0	68.8	70.9	72.5	72.8	72.5	68.2	74.2	70.1	71.0	71.2	69.8	70.4
1980 Average .....	98.3	96.3	97.8	100.4	101.1	101.5	95.4	102.6	97.9	97.9	98.2	96.4	98.5
1981 Average .....	121.7	120.4	121.3	123.7	123.8	125.4	117.3	127.4	121.4	121.5	123.2	118.1	120.5
1982 Average .....	118.3	116.5	117.6	117.4	120.1	120.1	111.3	124.5	117.1	117.4	120.5	113.7	117.7
1983 Average .....	109.1	102.8	109.1	104.1	110.5	112.9	108.0	117.0	110.3	107.9	112.1	105.8	108.7
1984 Average .....	112.1	103.9	111.8	108.4	111.4	111.9	109.6	118.7	113.5	111.0	115.5	107.9	110.6
1985 Average .....	108.0	99.7	107.0	102.4	106.7	107.7	104.6	114.3	108.8	105.9	111.3	102.3	106.3
1986 Average .....	89.0	74.4	82.1	75.9	82.8	86.6	85.0	93.1	91.4	90.2	91.1	81.4	86.6
1987 Average .....	83.4	74.7	80.6	76.5	82.5	81.1	79.3	91.8	86.6	84.3	85.2	78.9	79.5
1988 Average .....	85.3	77.7	82.1	78.2	83.8	82.6	80.1	91.6	87.0	84.8	86.3	77.8	80.6
1989 Average .....	92.9	89.4	92.6	89.3	93.9	90.5	88.2	98.6	93.8	91.8	95.8	85.1	87.0
1990 Average .....	109.8	98.9	108.4	102.8	108.6	107.0	105.8	107.8	111.9	108.7	112.5	102.6	110.6
1991													
January .....	122.5	114.4	118.1	107.2	113.3	117.7	113.0	124.1	122.0	119.6	124.6	117.7	117.2
February .....	116.0	105.9	111.3	100.7	109.5	111.3	105.4	118.6	116.1	113.2	120.2	110.9	110.3
March .....	109.0	95.4	102.6	90.5	101.8	104.4	98.4	112.3	107.7	104.3	112.8	101.8	102.4
April .....	101.4	87.1	98.1	83.9	94.7	98.5	92.3	105.6	102.7	98.6	106.7	95.5	96.1
May .....	96.5	81.8	91.7	79.4	89.7	93.6	91.5	101.1	98.7	94.4	101.2	89.9	90.7
June .....	92.7	79.6	88.9	77.3	87.1	91.3	84.0	95.3	96.2	90.3	98.1	85.7	87.8
July .....	90.0	82.3	88.5	77.6	88.8	88.1	81.5	98.6	93.7	88.5	93.9	80.8	86.9
August .....	89.7	83.4	88.7	80.6	88.7	88.6	86.0	98.6	94.0	89.0	93.0	81.8	87.5
September .....	92.0	87.3	90.9	84.2	90.3	91.9	87.3	101.7	96.8	92.2	98.7	83.4	90.4
October .....	96.3	91.3	94.9	87.8	94.9	93.9	92.8	104.0	100.1	96.9	103.3	88.8	93.6
November .....	99.8	95.1	97.5	90.1	95.8	95.7	96.9	107.3	103.2	100.7	108.1	93.6	97.0
December .....	98.3	89.3	95.8	88.8	93.4	94.1	94.9	107.7	102.6	96.6	105.7	93.1	95.2
1991 Average .....	106.2	96.0	103.0	91.6	99.8	101.9	99.7	112.2	108.4	104.0	111.3	99.7	101.1
1992													
January .....	96.4	87.7	93.2	88.1	90.7	92.4	94.4	107.3	101.6	95.6	103.4	91.4	94.3
February .....	95.5	88.2	92.5	86.5	91.7	92.8	92.7	107.3	100.9	95.1	103.8	91.5	93.7
March .....	94.0	86.4	91.5	83.3	90.9	92.2	92.4	105.3	100.3	93.5	102.1	90.1	93.7
April .....	93.3	85.5	91.4	81.8	90.4	91.7	91.5	104.7	99.0	92.9	101.1	89.4	92.6
May .....	93.1	85.5	91.0	81.7	90.9	91.5	90.2	102.3	97.2	89.2	101.1	88.6	91.7
June .....	91.8	87.1	91.3	82.9	89.7	90.7	91.4	102.7	97.6	90.4	101.7	86.5	89.6
July .....	93.1	87.7	90.4	82.3	89.9	89.1	90.6	102.0	95.7	90.3	100.7	83.0	90.2
August .....	90.5	87.8	89.6	81.8	89.4	89.4	89.5	101.9	95.2	88.1	99.0	81.7	88.4
September .....	91.8	86.8	90.7	83.0	89.8	91.6	90.3	101.2	95.7	90.8	99.7	84.4	89.4
October .....	94.9	89.3	93.5	87.6	92.7	92.0	93.7	104.0	98.8	94.0	102.7	87.5	91.9
November .....	95.8	88.3	93.8	87.6	92.5	92.6	92.8	105.7	100.4	94.6	104.7	89.6	92.1
December .....	95.2	85.7	93.5	87.7	91.5	92.9	90.9	105.4	100.4	95.4	104.3	89.3	93.3
1992 Average .....	94.7	87.1	92.4	85.6	91.2	92.2	92.4	105.7	99.9	93.9	102.8	88.9	92.8
1993													
January .....	94.9	85.2	94.0	87.1	91.7	93.4	90.8	105.2	100.5	96.5	104.3	89.0	92.4
February .....	96.2	85.4	94.4	87.0	91.8	93.3	90.8	106.8	101.3	96.7	104.2	89.1	93.5
March .....	96.7	86.5	94.8	86.6	92.4	93.7	92.4	108.5	101.6	96.2	104.2	89.8	94.2
April .....	93.6	83.0	91.3	85.0	90.3	91.2	91.6	107.1	99.2	95.1	100.1	89.0	90.3
May .....	91.7	81.5	90.9	83.8	90.6	91.2	89.4	104.3	96.2	91.6	99.3	86.6	88.6
June .....	88.8	80.8	88.6	82.5	87.6	89.7	90.9	100.4	95.2	88.0	97.8	84.0	86.0
July .....	86.5	78.2	83.9	78.0	85.2	85.5	90.2	100.2	92.3	87.9	95.2	78.8	84.7
August .....	84.0	77.3	83.4	76.1	82.7	85.6	83.5	96.1	91.3	85.7	92.9	77.0	84.0
September .....	84.3	78.3	83.8	75.1	83.8	86.5	83.5	97.8	91.2	86.0	93.4	80.6	85.1

See footnotes at end of table.

**Table 16. Prices of No. 2 Distillate to Residences  
by Selected States (Continued)**  
(Cents per Gallon Excluding Taxes)

Year Month	WV	IL	IN	MI	MN	OH	WI	ID	AK	OR	WA	U.S. Average
1978 Average .....	46.2	46.5	48.5	47.9	47.8	47.4	44.7	43.6	53.2	45.8	48.6	49.0
1979 Average .....	65.1	68.8	72.7	70.9	72.4	68.6	67.3	62.1	68.2	68.0	69.7	70.4
1980 Average .....	92.2	95.8	99.6	97.8	99.9	91.9	91.5	91.6	97.8	97.3	100.8	97.4
1981 Average .....	115.0	114.9	118.5	118.3	118.4	113.2	109.1	110.4	118.0	111.4	116.5	119.4
1982 Average .....	109.3	110.9	114.3	113.9	115.1	110.2	107.8	110.4	117.4	111.8	117.6	116.0
1983 Average .....	101.0	100.4	100.7	106.4	103.1	101.3	101.2	101.8	108.8	103.6	109.0	107.8
1984 Average .....	102.1	100.1	103.1	105.0	104.1	102.1	101.0	98.5	106.9	99.3	102.6	109.1
1985 Average .....	98.0	97.5	99.1	102.1	101.9	99.7	98.3	97.2	108.3	97.1	101.1	105.3
1986 Average .....	74.6	NA	74.8	81.0	79.2	77.7	75.6	73.8	94.9	70.4	77.5	83.6
1987 Average .....	76.4	79.8	75.4	77.5	74.6	74.7	75.1	68.8	88.5	72.5	79.5	80.3
1988 Average .....	74.2	77.6	75.4	77.5	73.5	74.7	73.9	68.8	88.9	70.9	78.5	81.3
1989 Average .....	83.0	80.9	83.2	85.3	82.4	81.6	81.1	77.8	96.4	80.2	87.4	90.0
1990 Average .....	99.1	96.1	99.3	100.9	101.4	98.1	94.2	97.4	110.1	97.0	102.9	106.3
<b>1991</b>												
January .....	110.5	102.5	105.9	109.8	105.4	105.5	102.4	110.8	129.3	108.4	118.4	117.1
February .....	101.5	92.9	95.4	98.5	93.5	94.6	92.4	97.3	122.8	102.9	112.0	110.5
March .....	90.8	86.5	87.9	91.5	87.2	85.7	87.8	84.0	109.6	88.8	95.3	102.6
April .....	87.6	88.3	86.0	90.7	87.8	83.2	84.0	83.4	101.9	86.4	93.5	96.9
May .....	85.8	88.5	86.3	88.1	88.1	83.1	82.9	84.4	101.3	86.5	94.9	92.5
June .....	83.6	86.8	80.3	87.4	87.1	80.7	80.9	83.4	98.2	85.8	91.7	89.3
July .....	81.7	82.2	78.8	83.3	84.4	79.6	78.0	80.0	98.6	83.8	85.5	86.6
August .....	82.4	86.5	85.5	84.4	86.3	81.1	78.8	84.6	96.8	87.3	92.6	87.0
September .....	84.8	87.3	85.5	86.8	84.0	84.8	82.7	87.4	92.4	90.8	93.5	89.7
October .....	89.7	88.4	86.7	89.5	86.8	88.7	85.7	87.6	91.3	89.1	95.2	94.0
November .....	91.8	92.4	87.8	92.8	89.2	91.8	89.9	93.3	96.0	90.6	99.5	98.0
December .....	89.0	89.9	83.3	89.9	84.4	86.0	85.4	94.7	95.2	87.0	96.2	95.9
1991 Average .....	93.4	92.7	91.8	94.2	91.1	91.0	89.5	95.1	105.0	93.3	101.6	101.9
<b>1992</b>												
January .....	85.5	85.2	77.8	86.6	79.4	82.0	80.1	86.1	92.7	85.3	92.0	94.2
February .....	86.9	85.6	78.7	86.5	79.6	83.0	79.8	79.2	91.1	83.5	90.9	94.2
March .....	86.6	88.1	79.5	86.6	79.7	82.5	79.2	82.2	93.0	82.6	91.8	93.2
April .....	85.6	88.4	80.2	86.7	81.8	82.9	80.4	84.2	92.1	85.5	92.0	92.5
May .....	84.2	89.0	81.2	86.4	83.9	83.5	81.5	86.1	93.6	88.9	94.3	92.3
June .....	86.5	90.8	79.6	86.1	82.9	85.3	81.9	84.6	93.9	89.2	90.8	92.0
July .....	82.3	87.9	82.4	85.0	84.5	81.7	81.1	86.1	93.0	87.3	88.0	90.4
August .....	81.4	88.4	83.1	85.7	84.1	82.3	80.6	79.4	96.8	84.0	84.0	88.6
September .....	85.4	88.9	84.8	88.2	85.0	84.7	83.6	88.0	93.4	87.6	90.3	90.1
October .....	88.3	90.8	85.8	90.0	87.1	86.4	84.1	89.8	96.8	91.7	94.5	93.7
November .....	88.0	90.4	82.7	88.2	88.0	84.6	83.7	91.7	97.7	92.8	88.7	94.8
December .....	89.0	88.2	81.8	87.9	83.1	84.5	84.3	88.8	95.8	91.5	99.7	94.5
1992 Average .....	86.4	87.6	81.1	87.1	82.3	83.6	81.8	85.7	94.0	87.8	94.3	93.4
<b>1993</b>												
January .....	88.3	87.2	81.8	88.3	82.9	84.2	82.1	84.8	95.1	91.7	100.6	94.3
February .....	88.6	88.2	82.3	87.6	83.0	85.5	83.3	84.2	95.1	89.9	101.4	94.6
March .....	89.9	90.0	83.1	90.1	83.9	86.6	84.0	87.8	94.2	90.7	99.7	95.4
April .....	86.9	NA	84.9	90.8	83.3	86.9	84.7	84.1	94.7	92.1	101.5	92.5
May .....	84.8	84.8	83.6	89.8	84.1	86.0	84.9	82.9	96.6	91.3	100.3	91.0
June .....	86.7	81.2	82.1	87.4	83.4	85.7	84.2	82.8	97.1	90.2	95.1	88.9
July .....	81.2	79.4	79.0	83.4	82.0	79.3	84.1	80.0	95.3	86.1	91.3	85.6
August .....	79.1	77.2	76.6	82.1	80.0	78.6	78.7	77.0	95.5	83.5	89.3	84.1
September .....	79.2	80.7	80.5	85.3	83.1	81.7	82.8	85.3	94.5	91.6	96.6	85.5

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report," January 1983 forward. Energy Information Administration Form EIA-9A, "No. 2 Distillate Price Monitoring Report," source for backcast estimates prior to January 1983.

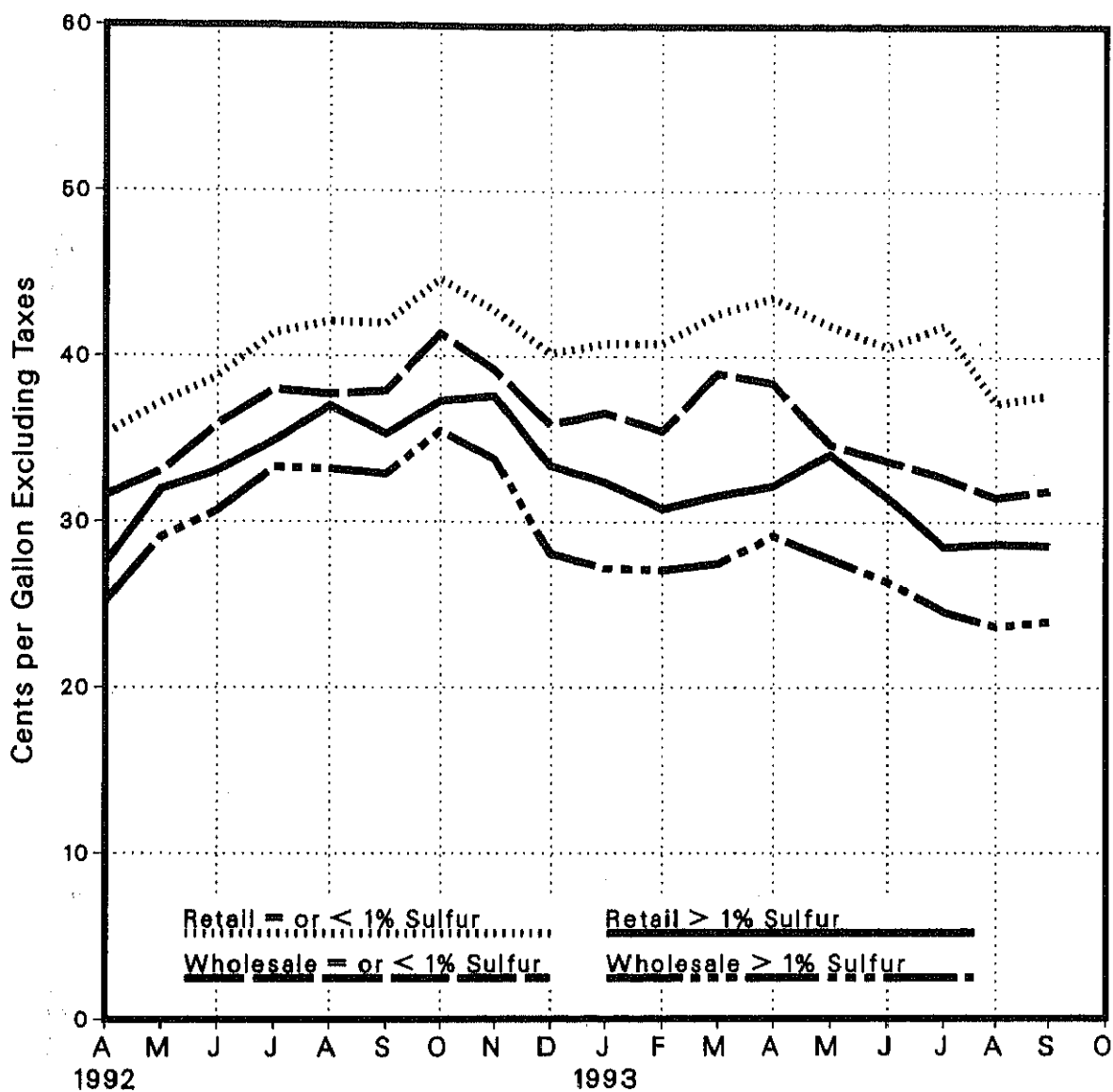
**Table 17. U.S. Refiner Residual Fuel Oil Prices**  
(Cents per Gallon Excluding Taxes)

Year Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>1978 Average</b> .....	31.4	29.3	27.5	24.5	29.8	26.3
<b>1979 Average</b> .....	46.6	45.0	38.9	36.6	43.6	39.9
<b>1980 Average</b> .....	67.5	60.8	52.3	47.9	60.7	52.6
<b>1981 Average</b> .....	82.9	74.8	67.3	62.2	75.6	66.3
<b>1982 Average</b> .....	74.7	69.5	61.1	57.2	67.6	61.2
<b>1983 Average</b> .....	69.5	64.3	61.1	59.1	65.1	60.9
<b>1984 Average</b> .....	72.0	68.5	65.9	63.9	66.7	65.4
<b>1985 Average</b> .....	64.4	61.0	58.2	56.0	61.0	57.7
<b>1986 Average</b> .....	37.2	32.8	31.7	28.9	34.3	30.5
<b>1987 Average</b> .....	44.7	41.2	39.6	36.2	42.3	38.5
<b>1988 Average</b> .....	37.2	33.3	30.0	27.1	33.4	30.0
<b>1989 Average</b> .....	43.6	40.7	34.4	33.1	38.5	36.0
<b>1990 Average</b> .....	50.5	47.2	40.0	37.2	44.4	41.3
<b>1991</b>						
January .....	59.8	52.1	49.7	49.2	53.4	50.2
February .....	44.4	36.5	37.1	32.0	39.8	33.4
March .....	38.3	36.0	28.2	24.2	32.3	28.2
April .....	37.8	33.6	27.0	25.8	30.2	28.7
May .....	36.6	36.6	27.6	27.7	31.0	30.3
June .....	35.3	32.1	26.9	26.6	29.5	29.7
July .....	36.4	32.6	28.2	27.4	31.2	28.8
August .....	36.8	33.4	27.7	25.9	31.1	27.9
September .....	36.8	33.7	27.3	25.4	30.6	27.9
October .....	38.5	34.1	29.7	27.6	32.3	29.5
November .....	40.8	36.6	31.8	27.9	35.1	30.7
December .....	40.0	34.8	28.8	26.1	33.1	28.9
<b>1991 Average</b> .....	40.2	36.4	30.6	29.2	34.0	31.4
<b>1992</b>						
January .....	35.7	30.3	24.7	21.1	28.8	24.4
February .....	36.2	32.7	23.6	20.9	27.7	25.6
March .....	34.8	30.8	24.4	21.1	27.7	24.6
April .....	35.3	31.6	27.5	25.2	29.6	27.4
May .....	37.2	33.1	32.0	29.1	33.4	30.2
June .....	38.8	35.9	33.1	30.7	34.5	32.5
July .....	41.4	38.0	34.9	33.3	36.7	34.7
August .....	42.1	37.7	37.0	33.2	38.8	34.7
September .....	42.0	37.9	35.3	32.9	37.5	34.8
October .....	44.7	41.4	37.3	35.5	39.2	37.4
November .....	42.8	39.2	37.6	33.8	39.4	35.9
December .....	40.2	35.9	33.4	28.1	36.2	30.6
<b>1992 Average</b> .....	38.9	35.4	31.3	28.4	33.8	30.7
<b>1993</b>						
January .....	40.8	36.6	32.4	27.2	35.3	31.2
February .....	40.8	35.5	30.8	27.1	34.4	31.1
March .....	42.6	39.0	31.6	27.5	35.6	32.9
April .....	43.6	38.4	32.2	29.2	36.3	33.6
May .....	41.9	34.7	34.1	27.8	36.8	31.0
June .....	40.6	33.7	31.5	26.4	34.7	30.0
July .....	41.9	32.7	28.5	24.6	33.2	27.4
August .....	37.2	31.5	28.7	23.7	31.9	26.9
September .....	37.7	31.9	28.6	24.0	31.5	26.8

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," January 1983 forward. Energy Information Administration Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," source for backcast estimates prior to January 1983.

**Figure 11. U.S. Refiner Residual Fuel Oil Prices**



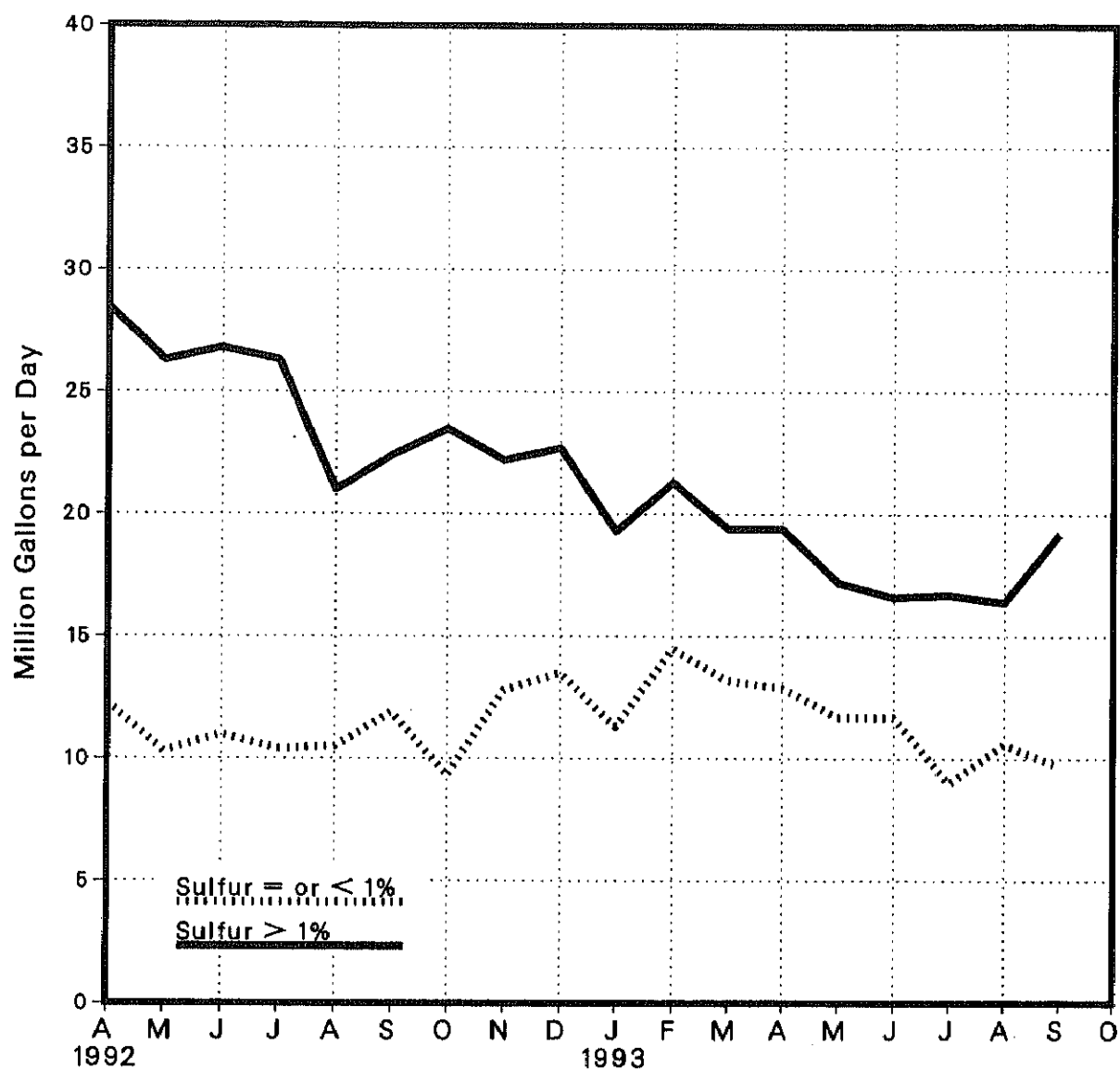
Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."

**Table 18. U.S. Refiner Residual Fuel Oil Volumes**  
(Million Gallons per Day)

Year Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Total	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>1983 Average</b> .....	13.4	7.2	14.9	12.9	28.3	20.2
<b>1984 Average</b> .....	15.1	8.7	17.8	14.6	32.9	21.3
<b>1985 Average</b> .....	11.4	7.0	13.8	12.9	25.2	19.9
<b>1986 Average</b> .....	15.3	7.7	18.5	11.1	31.7	18.7
<b>1987 Average</b> .....	15.1	7.8	13.9	9.1	29.0	16.9
<b>1988 Average</b> .....	14.2	8.7	15.9	10.3	30.2	18.9
<b>1989 Average</b> .....	13.4	7.9	17.0	13.1	30.4	21.0
<b>1990 Average</b> .....	11.1	7.4	14.9	10.5	25.9	17.9
<b>1991</b>						
January .....	8.7	6.8	14.7	13.0	23.4	19.8
February .....	8.5	6.1	14.2	13.6	22.7	19.8
March .....	10.3	5.2	15.2	10.2	25.4	15.4
April .....	8.4	7.3	15.7	12.2	22.1	19.5
May .....	8.6	5.9	14.5	14.4	23.2	20.4
June .....	7.8	6.0	18.2	12.9	25.9	18.9
July .....	10.2	3.6	18.0	9.5	28.3	13.0
August .....	9.3	4.8	15.5	13.6	24.8	18.4
September .....	8.2	5.7	15.0	12.8	23.1	18.5
October .....	5.9	4.2	13.9	10.2	19.8	14.4
November .....	7.9	4.9	13.8	10.8	21.7	15.7
December .....	10.7	6.5	16.9	13.4	27.6	19.9
<b>1991 Average</b> .....	8.6	5.6	15.5	12.2	24.0	17.8
<b>1992</b>						
January .....	10.5	8.0	17.9	10.8	28.4	16.8
February .....	9.1	5.5	18.8	8.2	27.9	13.6
March .....	8.4	5.9	17.9	10.7	28.2	16.7
April .....	8.0	6.3	16.8	11.7	22.8	17.9
May .....	5.3	4.9	14.1	12.1	19.5	17.1
June .....	6.2	5.8	16.3	10.5	21.5	16.2
July .....	5.9	4.5	15.1	11.2	21.0	15.6
August .....	6.5	4.0	12.4	8.6	18.9	12.6
September .....	6.8	5.4	13.5	8.9	20.0	14.3
October .....	5.1	4.2	14.8	8.9	19.7	13.1
November .....	7.1	5.7	13.6	8.6	20.7	14.3
December .....	9.0	4.5	13.3	9.5	22.2	14.0
<b>1992 Average</b> .....	7.1	5.2	14.5	10.8	21.6	16.0
<b>1993</b>						
January .....	7.0	4.3	13.5	5.8	20.8	10.1
February .....	7.7	6.8	13.9	7.4	21.6	14.2
March .....	7.0	6.2	12.4	7.0	19.4	13.2
April .....	7.2	5.7	13.0	6.4	20.2	12.1
May .....	5.3	6.4	9.9	7.3	15.2	13.8
June .....	6.1	5.6	11.0	5.6	17.1	11.2
July .....	5.3	3.7	8.8	6.9	15.1	10.6
August .....	6.1	4.5	9.9	6.4	16.0	10.9
September .....	5.2	4.5	11.2	8.0	16.4	12.5

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals and averages may not equal the sum of components due to rounding.  
Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

Figure 12. U.S. Refiner Residual Fuel Oil Total Volumes



Source: Energy Information Administration, Form EIA-782A "Refiners/Gas Plant Operators Monthly Petroleum Product Sales Report."



## Crude Oil Prices



**Table 19. Crude Oil Refiner Acquisition Costs**  
(Dollars per Barrel)

Year Month	Major Refiners			Other Refiners			Average		
	Domestic	Imported	Average	Domestic	Imported	Average	Domestic	Imported	Average
1978 Average .....	NA	NA	NA	NA	NA	NA	10.61	14.57	12.48
1979 Average .....	NA	NA	NA	NA	NA	NA	14.27	21.67	17.72
1980 Average .....	NA	NA	NA	NA	NA	NA	24.23	33.89	28.07
1981 Average .....	34.25	37.41	35.49	34.54	36.39	34.92	34.33	37.05	35.24
1982 Average .....	31.07	33.92	31.89	31.72	32.07	31.81	31.22	33.55	31.87
1983 Average .....	28.67	29.53	28.92	29.42	28.33	29.17	28.87	29.30	28.99
1984 Average .....	28.42	29.04	28.61	28.90	28.08	28.71	28.53	28.88	28.63
1985 Average .....	26.66	27.11	26.79	26.66	26.51	26.63	26.66	26.99	26.75
1986 Average .....	14.74	13.99	14.49	15.07	14.06	14.75	14.82	14.00	14.55
1987 Average .....	17.65	18.14	17.84	18.10	18.09	18.10	17.76	18.13	17.90
1988 Average .....	14.59	14.57	14.58	15.12	14.55	14.91	14.74	14.56	14.67
1989 Average .....	17.75	18.09	17.90	18.20	19.07	18.15	17.87	18.08	17.97
1990 Average .....	22.56	22.02	22.30	22.66	20.87	21.98	22.59	21.76	22.22
<b>1991</b>									
January .....	22.87	22.56	22.73	24.23	21.34	23.21	23.25	22.30	22.85
February .....	18.96	18.36	18.70	20.88	18.08	19.92	19.55	18.30	19.03
March .....	17.77	17.68	17.73	18.91	17.19	18.35	18.12	17.58	17.89
April .....	18.49	18.35	18.42	18.74	18.18	18.55	18.56	18.32	18.46
May .....	18.77	18.45	18.62	19.44	18.04	18.90	18.98	18.36	18.70
June .....	17.83	17.85	17.84	18.90	17.58	18.37	18.16	17.78	17.98
July .....	18.77	18.24	18.52	19.24	17.81	18.69	18.91	18.14	18.57
August .....	18.74	18.80	18.77	19.88	18.43	19.29	19.10	18.71	18.92
September .....	18.99	19.18	19.09	20.01	18.41	19.36	19.31	19.00	19.17
October .....	20.12	19.92	20.03	20.98	19.70	20.49	20.39	19.86	20.16
November .....	19.59	19.57	19.58	20.90	18.64	20.07	20.01	19.35	19.72
December .....	17.50	17.25	17.39	18.65	16.89	18.01	17.84	17.17	17.56
1991 Average .....	19.03	18.82	18.93	20.02	18.33	19.39	19.33	18.70	19.06
<b>1992</b>									
January .....	16.58	16.13	16.37	17.33	15.97	16.83	16.80	16.10	16.50
February .....	16.30	15.96	16.14	17.10	16.17	16.77	16.54	16.00	16.30
March .....	16.56	16.46	16.51	17.06	16.05	16.69	16.71	16.36	16.56
April .....	17.81	17.58	17.70	18.05	16.84	17.55	17.88	17.37	17.66
May .....	18.70	19.00	18.84	19.21	18.04	18.79	18.86	18.79	18.83
June .....	20.00	19.99	20.00	20.40	19.14	19.97	20.13	19.83	19.99
July .....	20.22	19.82	20.02	20.88	19.44	20.32	20.42	19.74	20.10
August .....	19.70	19.39	19.54	20.14	18.79	19.60	19.84	19.25	19.56
September .....	19.72	19.37	19.55	20.21	18.88	19.71	19.88	19.26	19.59
October .....	19.43	19.44	19.44	20.09	18.99	19.64	19.64	19.34	19.49
November .....	18.76	18.42	18.59	19.27	18.32	18.86	18.90	18.40	18.66
December .....	17.79	17.00	17.41	17.99	16.74	17.48	17.85	16.94	17.43
1992 Average .....	18.46	18.30	18.38	19.01	17.84	18.57	18.63	18.20	18.43
<b>1993</b>									
January .....	17.33	16.86	17.09	17.58	16.46	17.12	17.40	16.78	17.10
February .....	17.80	17.61	17.71	17.94	16.70	17.45	17.84	17.41	17.64
March .....	18.14	17.90	18.02	18.89	17.56	18.25	18.31	17.82	18.08
April .....	18.34	18.52	18.44	18.80	17.70	18.37	18.49	18.35	18.42
May .....	18.33	17.94	18.12	18.66	17.71	18.26	18.43	17.89	18.16
June .....	17.61	16.80	17.19	17.90	16.81	17.45	17.70	16.80	17.26
July .....	16.24	15.75	16.00	16.88	16.04	16.40	16.36	15.82	16.10
August .....	15.91	15.48	15.70	16.33	16.08	16.22	16.03	15.62	15.84
September .....	15.75	15.30	15.53	15.94	15.56	15.79	15.80	15.36	15.59

NA = Not available.

Note: Values shown for current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: Geographic coverage is the 50 United States, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands.

Sources: January 1978 through June 1978: Form FEA-P110-M-1, "Refiners' Monthly Cost Allocation Report"; July 1978 through December 1980: Form ERA-49, "Domestic Crude Oil Entitlements Program Refiners' Monthly Report"; January 1981 to present: Form EIA-14, "Refiners' Monthly Cost Report."

**Table 20. Domestic Crude Oil First Purchase Prices**  
(Dollars per Barrel)

Year Month	U.S. Average		PAD District I				PAD District II						
	Total U.S.	Less Alaska North Slope	PAD I Average	New York	Pennsylvania	West Virginia	PAD II Average	Illinois	Indiana	Kansas	Kentucky	Michigan	Nebraska
1978 Average ....	9.00	9.56	12.25	W	14.72	14.48	11.91	13.81	13.70	13.20	13.73	11.86	11.40
1979 Average ....	12.64	13.01	14.30	W	24.13	23.35	18.33	23.49	23.28	21.57	22.55	14.47	18.13
1980 Average ....	21.59	22.65	22.66	W	37.46	36.82	30.12	35.78	35.91	34.20	34.98	23.54	30.80
1981 Average ....	31.77	33.71	35.22	W	36.03	35.63	35.63	36.03	36.07	35.80	35.90	35.74	35.32
1982 Average ....	28.52	30.43	31.77	30.91	30.77	29.98	31.65	31.69	31.66	30.79	31.19	31.80	30.98
1983 Average ....	26.19	28.00	28.32	28.19	28.28	27.27	29.17	29.12	29.06	28.45	28.60	28.93	28.58
1984 Average ....	25.88	27.59	27.76	27.70	27.71	28.90	28.62	28.76	28.72	27.99	28.24	28.54	27.83
1985 Average ....	24.09	25.74	25.88	25.19	25.05	24.35	25.94	26.90	26.82	25.33	26.20	26.16	25.42
1986 Average ....	12.51	14.13	14.76	18.03	15.77	14.88	14.30	14.70	14.55	14.02	14.20	14.61	13.70
1987 Average ....	15.40	16.83	16.52	17.40	17.43	16.56	17.42	17.53	17.49	17.37	17.19	17.63	17.08
1988 Average ....	12.58	13.97	14.21	W	15.28	14.35	14.65	14.79	14.78	14.55	14.58	14.92	14.08
1989 Average ....	15.86	17.13	17.16	W	18.15	17.18	18.04	18.36	18.37	18.18	18.36	18.06	17.36
1990 Average ....	20.03	21.57	22.06	23.32	23.00	22.16	22.88	23.36	23.46	23.21	23.20	22.92	21.94
<b>1991</b>													
January .....	19.60	21.44	22.40	23.67	22.46	W	22.63	23.37	23.85	22.99	22.95	22.77	21.77
February .....	16.28	17.62	16.76	20.00	19.60	W	18.90	19.29	19.29	19.27	18.89	19.03	17.96
March .....	15.13	16.72	16.92	17.53	17.00	W	18.07	18.59	18.51	18.62	18.24	18.15	17.29
April .....	16.16	17.65	18.00	18.79	18.42	W	19.05	19.65	19.65	19.54	19.62	19.34	18.30
May .....	16.44	18.00	18.58	19.59	18.98	W	19.36	20.00	19.99	19.71	19.62	19.65	18.40
June .....	15.58	17.06	17.51	18.36	18.29	W	18.27	18.98	18.99	18.56	18.58	18.65	17.52
July .....	16.36	18.01	18.41	19.20	19.11	W	19.56	20.22	20.23	19.70	19.84	19.90	18.83
August .....	16.60	18.16	19.02	19.23	19.72	W	19.77	20.43	20.44	19.91	20.09	20.10	18.99
September .....	16.71	18.35	19.29	20.06	19.92	W	19.99	20.62	20.68	20.09	20.25	20.29	19.25
October .....	17.72	19.54	20.62	21.10	21.43	W	21.33	21.96	21.92	21.45	21.65	21.67	20.63
November .....	17.12	18.96	20.10	20.44	20.52	W	20.48	21.04	21.05	20.53	20.66	20.86	19.72
December .....	14.68	16.34	17.54	17.68	17.76	W	17.83	18.18	18.17	17.73	17.87	17.98	16.62
1991 Average ....	16.54	18.16	19.01	19.67	19.48	W	19.58	20.19	20.20	19.84	19.84	19.88	18.78
<b>1992</b>													
January .....	13.99	15.55	16.51	16.88	17.10	16.22	16.95	17.65	17.82	16.94	17.17	17.28	16.18
February .....	14.04	15.61	16.73	W	17.32	16.27	17.06	17.66	17.74	16.99	17.32	17.48	16.10
March .....	14.12	15.55	16.54	W	17.13	16.09	16.99	17.62	17.68	16.91	17.30	17.36	16.08
April .....	15.36	16.83	17.95	W	18.16	17.43	18.31	18.93	19.02	18.16	18.52	18.60	17.19
May .....	16.38	17.79	18.85	W	19.24	18.28	19.08	18.75	18.77	18.95	18.99	19.40	17.92
June .....	17.96	19.44	20.53	W	20.67	19.87	20.46	21.07	21.11	20.28	20.78	20.79	19.22
July .....	17.80	18.98	19.49	W	19.86	18.77	19.81	20.43	20.54	19.60	19.97	20.20	18.56
August .....	17.07	18.31	19.33	19.03	19.35	18.66	19.39	20.01	19.93	19.25	19.23	19.76	18.18
September .....	17.20	18.64	19.93	20.09	19.86	19.17	19.95	20.56	20.47	19.83	19.85	20.38	18.79
October .....	17.16	18.52	19.85	20.51	20.09	19.68	19.72	20.32	20.20	19.61	19.56	20.13	18.63
November .....	16.00	17.22	18.74	19.60	20.09	19.22	18.46	18.98	18.91	18.28	18.40	18.79	17.26
December .....	14.94	16.26	17.68	18.94	18.73	18.10	17.56	18.09	18.22	17.41	17.40	17.81	16.31
1992 Average ....	15.99	17.38	18.52	19.05	19.01	18.09	18.63	19.26	19.27	18.50	18.75	18.99	17.51
<b>1993</b>													
January .....	14.64	15.90	17.16	W	18.20	17.44	17.15	17.81	17.77	17.11	17.21	17.52	15.93
February .....	15.47	16.71	17.97	17.78	18.21	17.45	18.09	18.75	18.81	18.05	18.08	18.57	16.88
March .....	15.88	17.04	18.70	18.62	18.97	18.02	18.30	18.92	18.93	18.16	18.22	18.75	16.95
April .....	16.08	17.08	19.19	18.71	19.25	18.20	18.20	18.86	18.83	18.06	18.12	18.70	16.91
May .....	15.97	16.89	18.68	18.72	18.85	17.86	17.78	18.47	18.38	17.50	17.84	18.34	16.28
June .....	15.00	15.96	18.11	17.85	17.98	17.57	18.74	17.47	17.42	16.35	16.83	17.29	15.40
July .....	13.78	14.62	16.98	W	17.07	16.41	15.52	16.25	16.25	15.10	15.78	16.00	14.10
August .....	13.69	14.67	16.98	16.47	16.88	16.22	15.63	16.46	16.50	15.22	16.03	16.18	14.18
September .....	13.99	14.21	16.55	15.96	16.85	15.91	15.06	15.96	16.03	14.70	15.47	15.74	10.72

See footnotes at end of table.

**Table 20. Domestic Crude Oil First Purchase Prices (Continued)**  
(Dollars per Barrel)

Year Month	PAD District II (Cont.)				PAD District III							
	North Dakota	Ohio	Oklahoma	South Dakota	PAD III Average	Alabama	Arkansas	Louisiana	Mississippi	New Mexico	Texas	Federal Offshore Gulf
1978 Average ....	9.75	13.80	11.30	12.16	9.37	10.62	10.63	9.03	7.91	10.17	9.29	9.86
1979 Average ....	13.64	22.79	17.53	15.35	12.33	11.97	14.72	11.42	10.74	14.33	12.85	11.23
1980 Average ....	26.42	36.64	29.25	28.81	21.24	20.57	24.17	19.87	20.85	24.06	21.84	18.87
1981 Average ....	35.83	36.11	35.43	35.55	35.00	35.80	33.69	35.45	30.47	35.04	35.06	35.07
1982 Average ....	31.89	30.90	32.04	31.63	31.92	32.32	30.12	32.44	29.04	31.82	31.77	32.61
1983 Average ....	29.27	28.14	29.67	29.10	29.45	30.07	28.28	30.02	26.76	29.26	29.35	29.77
1984 Average ....	28.39	27.71	29.11	28.36	29.03	29.39	28.15	29.67	27.26	28.69	28.87	29.36
1985 Average ....	25.32	25.11	26.28	25.79	26.91	25.77	25.79	27.22	25.51	26.84	26.80	27.33
1986 Average ....	13.54	15.51	14.47	13.81	14.89	13.91	14.54	15.32	13.63	14.93	14.73	15.27
1987 Average ....	16.76	17.42	17.62	16.96	17.57	16.80	17.23	17.97	16.78	17.57	17.55	17.54
1988 Average ....	13.85	15.19	14.86	14.04	14.75	13.86	14.41	15.22	13.98	14.78	14.71	14.71
1989 Average ....	17.12	18.06	18.23	17.33	17.86	17.27	17.34	18.39	17.00	17.86	17.81	17.83
1990 Average ....	21.94	23.09	22.95	22.32	22.42	22.09	21.56	23.04	21.06	22.44	22.37	22.40
<b>1991</b>												
January .....	22.08	23.56	22.43	22.12	22.39	22.13	21.16	23.21	20.82	22.58	22.20	22.60
February .....	18.12	20.05	18.85	18.24	18.51	18.05	17.06	19.37	16.97	18.78	18.29	18.79
March .....	17.36	17.04	18.01	17.50	17.67	17.58	16.35	18.70	15.90	17.78	17.43	17.95
April .....	18.14	18.37	18.98	18.53	18.66	18.43	17.39	19.55	16.99	18.63	18.45	18.93
May .....	18.50	18.97	19.36	18.99	19.00	18.67	17.71	19.86	17.50	19.08	18.78	19.32
June .....	17.56	18.31	18.20	18.13	17.97	17.80	16.77	18.73	16.41	18.12	17.76	18.27
July .....	18.72	19.14	19.65	19.16	19.14	19.03	17.91	19.98	17.75	19.32	18.97	19.26
August .....	18.96	19.69	19.83	19.37	19.30	19.28	18.18	20.15	17.83	19.36	19.15	19.39
September .....	19.06	19.94	20.12	19.76	19.56	19.45	18.42	20.63	17.99	19.69	19.41	19.56
October .....	20.38	21.44	21.44	20.87	20.92	20.81	19.94	22.03	19.36	20.98	20.76	20.93
November .....	19.74	20.64	20.56	20.28	20.21	20.21	19.16	21.23	18.51	20.33	20.03	20.26
December .....	16.84	17.74	17.73	17.35	17.37	17.23	16.52	18.34	15.83	17.54	17.17	17.50
1991 Average ....	18.80	19.59	19.59	19.21	18.23	18.05	18.06	20.14	17.65	19.35	19.04	19.41
<b>1992</b>												
January .....	16.26	17.12	17.01	16.36	16.64	16.43	15.69	17.58	14.93	16.77	16.51	16.64
February .....	16.43	17.25	17.16	16.70	16.76	16.55	15.92	17.60	15.10	16.86	16.71	16.62
March .....	16.32	17.05	17.11	16.48	16.88	16.68	15.75	17.49	15.08	16.92	16.81	16.57
April .....	17.72	18.14	18.46	17.93	18.08	17.94	17.00	18.86	16.46	18.31	18.06	17.87
May .....	18.39	18.25	19.24	18.71	18.86	18.72	17.77	19.69	17.26	19.13	18.76	18.79
June .....	19.86	20.67	20.65	20.12	20.29	20.15	19.15	21.09	18.54	20.53	20.21	20.23
July .....	19.21	19.71	20.00	19.45	19.71	19.56	18.48	20.50	17.88	19.93	19.61	19.71
August .....	18.85	19.41	19.53	19.16	19.14	18.78	18.02	19.72	17.35	19.25	19.07	19.27
September .....	18.40	19.93	20.08	19.47	19.66	19.19	18.65	20.00	17.97	19.77	19.59	19.88
October .....	19.21	20.33	19.77	19.23	19.47	19.26	18.39	19.70	17.83	19.61	19.44	19.59
November .....	17.92	20.03	18.53	17.84	18.10	18.26	17.13	18.35	16.53	18.32	18.07	18.16
December .....	16.93	18.79	17.65	17.11	17.23	17.41	16.19	17.57	15.58	17.39	17.19	17.27
1992 Average ....	18.02	18.96	18.74	18.19	18.37	18.22	17.33	19.00	16.70	18.55	18.32	18.35
<b>1993</b>												
January .....	16.58	18.22	17.16	16.78	16.86	17.16	15.78	17.16	15.30	17.09	16.84	16.95
February .....	17.39	18.32	18.20	17.74	17.83	17.78	16.75	18.07	16.28	18.07	17.91	17.85
March .....	17.68	18.88	18.39	17.82	18.05	17.88	16.96	18.25	16.47	18.33	18.05	18.06
April .....	17.56	19.08	18.27	17.60	17.96	17.77	16.87	18.16	16.35	18.13	17.96	17.99
May .....	16.95	18.82	17.97	17.02	17.81	17.38	16.50	17.74	15.85	17.81	17.59	17.73
June .....	15.82	17.98	17.00	15.72	16.68	16.83	15.46	16.78	14.98	16.97	16.70	16.87
July .....	14.59	17.03	15.78	14.43	15.47	15.10	14.21	15.51	13.81	15.58	15.61	15.53
August .....	14.63	18.68	15.90	14.50	15.58	15.49	14.71	15.68	13.96	15.71	15.58	15.66
September .....	14.07	16.58	15.40	13.92	15.04	15.11	13.98	15.15	13.70	15.29	15.04	15.06

See footnotes at end of table.

**Table 20. Domestic Crude Oil First Purchase Prices (Continued)**  
(Dollars per Barrel)

Year Month	PAD District IV					PAD District V				
	PAD IV Average	Colorado	Montana	Utah	Wyoming	PAD V Average	Alaska North Slope	Alaska Other	California	Federal Offshore California
1978 Average ....	9.50	10.84	9.04	9.98	9.16	6.60	5.21	5.45	8.58	6.10
1979 Average ....	11.98	13.28	12.03	11.41	11.73	11.17	10.57	6.22	12.78	8.06
1980 Average ....	21.29	22.91	20.53	19.79	21.34	19.09	16.87	10.25	23.87	16.28
1981 Average ....	33.38	35.69	34.69	34.14	32.30	24.79	23.23	30.15	26.80	24.56
1982 Average ....	30.14	31.58	31.25	30.50	29.37	21.84	19.92	27.74	24.58	23.37
1983 Average ....	27.81	28.92	28.80	28.12	27.19	19.66	17.69	23.59	22.61	20.54
1984 Average ....	27.18	28.09	28.07	27.21	26.73	19.52	17.91	24.37	22.09	20.41
1985 Average ....	24.78	25.64	25.29	23.98	24.67	19.11	16.98	22.48	22.14	20.08
1986 Average ....	13.24	13.98	13.58	13.33	12.94	8.53	6.45	13.13	11.90	9.48
1987 Average ....	16.77	17.71	16.57	17.22	16.45	11.89	10.83	15.48	13.92	11.82
1988 Average ....	13.85	14.83	13.84	14.24	13.47	9.28	8.43	12.92	10.97	9.41
1989 Average ....	17.37	18.88	17.03	18.63	16.73	12.71	12.00	16.17	14.08	12.64
1990 Average ....	21.68	23.16	21.61	22.61	21.04	16.15	15.23	21.16	17.81	16.21
1991										
January .....	21.35	23.15	21.37	22.75	20.58	15.24	14.11	19.18	17.48	15.08
February .....	17.73	19.28	17.45	19.22	17.02	12.72	12.28	15.68	13.62	11.63
March .....	16.92	18.58	16.70	18.44	16.15	11.10	10.44	14.58	12.34	10.95
April .....	17.64	19.46	17.59	19.33	16.70	12.11	11.48	15.27	13.30	11.32
May .....	18.02	19.77	18.05	19.88	17.06	12.32	11.53	15.66	13.72	12.10
June .....	17.08	18.78	17.08	18.03	16.11	11.82	10.99	14.84	13.32	11.59
July .....	18.16	20.01	18.28	19.97	17.21	11.98	11.29	14.65	13.34	10.92
August .....	18.31	20.17	18.21	20.18	17.41	12.28	11.64	15.03	13.52	10.94
September .....	18.60	20.27	18.44	20.27	17.80	12.31	11.71	15.25	13.52	10.80
October .....	19.83	21.63	19.78	21.69	18.94	12.81	12.32	16.02	13.85	11.15
November .....	18.96	20.81	18.97	20.96	18.00	12.35	11.46	15.93	14.14	11.18
December .....	16.04	18.01	16.12	18.14	15.03	10.46	9.45	12.95	12.48	9.59
1991 Average ....	18.21	19.95	18.17	19.99	17.33	12.30	11.57	15.36	13.72	11.33
1992										
January .....	15.47	17.33	15.43	17.41	14.57	9.87	9.29	11.56	11.18	8.52
February .....	15.67	17.46	15.51	17.83	14.78	9.89	9.40	12.52	11.03	8.09
March .....	15.58	17.46	15.44	17.83	14.68	10.19	9.84	13.20	10.97	8.27
April .....	16.95	18.80	16.76	19.22	16.99	11.16	10.82	14.75	11.91	9.07
May .....	17.69	19.49	17.49	19.74	16.77	12.58	12.03	16.21	13.70	10.90
June .....	19.14	20.87	18.78	21.38	18.23	14.35	13.40	18.53	16.19	13.63
July .....	18.53	20.19	18.28	20.74	17.66	14.87	14.06	18.47	16.52	13.44
August .....	18.10	19.71	17.84	20.19	17.28	13.90	13.23	17.16	15.19	12.82
September .....	18.61	20.31	18.36	20.84	17.73	13.48	12.90	16.61	14.70	12.03
October .....	18.39	20.11	18.19	20.62	17.51	13.65	13.03	17.12	14.93	11.87
November .....	17.06	18.92	16.86	19.22	16.21	12.81	12.29	16.25	13.89	11.01
December .....	16.18	17.83	16.18	18.32	15.28	11.42	10.93	14.68	12.52	9.62
1992 Average ....	17.27	19.04	17.08	19.39	16.36	12.32	11.73	15.56	13.55	10.78
1993										
January .....	15.83	17.43	15.78	18.01	14.94	11.22	10.83	14.16	12.11	9.16
February .....	16.77	18.36	16.64	19.01	15.90	11.81	11.58	14.57	12.44	9.52
March .....	17.19	18.51	16.82	19.22	16.46	12.51	12.28	16.06	13.10	10.00
April .....	17.14	18.48	16.66	19.23	16.39	13.10	12.91	16.84	13.63	10.59
May .....	16.77	17.93	16.22	18.86	16.10	13.38	12.96	17.40	14.31	11.25
June .....	15.85	17.29	15.17	18.02	15.10	12.33	11.79	15.60	13.51	10.21
July .....	14.56	15.82	13.88	16.74	13.89	11.06	10.81	13.20	11.69	9.14
August .....	14.72	15.98	14.04	16.90	14.07	10.76	10.47	13.00	11.53	8.58
September .....	14.21	15.51	13.50	16.26	13.57	10.77	10.55	12.75	11.40	8.46

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: The actual domestic average price represents the average price at the lease (or wellhead) at which domestic crude oil is purchased.

Sources: January 1978 through December 1982: Form EIA-182, "Domestic Crude Oil First Purchase Report"; January 1983 to present: Form EIA-182, "Domestic Crude Oil First Purchase Report."

**Table 21. FOB<sup>a</sup> Costs of Imported Crude Oil, by Selected Country**  
(Dollars per Barrel)

Year Month	Selected Countries									OPEC	
	Algeria	Indonesia	Iran	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela	Other Countries	Arab OPEC <sup>b</sup>	Total OPEC <sup>c</sup>
<b>1978 Average</b>	14.12	13.61	12.65	13.24	14.05	12.70	13.82	12.38	13.35	13.28	13.31
<b>1979 Average</b>	20.53	19.03	22.93	20.27	21.69	17.28	21.70	16.90	21.10	19.27	18.88
<b>1980 Average</b>	36.67	32.17	NA	31.08	35.93	28.17	34.36	24.81	34.34	31.57	32.21
<b>1981 Average</b>	39.08	35.62	-	33.01	38.31	32.60	38.06	28.95	36.69	34.79	35.17
<b>1982 Average</b>	34.20	35.11	30.97	28.08	35.13	33.73	33.42	23.74	31.96	33.84	33.48
<b>1983 Average</b>	30.09	29.92	28.39	25.20	29.81	27.53	29.91	21.48	27.96	28.28	28.46
<b>1984 Average</b>	28.34	29.13	27.42	26.39	29.51	27.67	28.87	24.23	27.79	27.79	27.79
<b>1985 Average</b>	26.89	27.12	W	25.33	28.04	22.04	27.64	23.64	26.12	24.34	25.67
<b>1986 Average</b>	13.62	13.19	W	11.84	14.35	11.36	13.84	10.92	13.32	11.59	12.21
<b>1987 Average</b>	16.79	17.40	W	16.36	18.47	15.12	18.28	15.08	17.11	15.80	16.43
<b>1988 Average</b>	W	13.81	-	12.18	15.16	12.16	14.80	12.96	13.45	12.57	13.43
<b>1989 Average</b>	W	17.01	-	15.96	18.31	16.29	17.89	16.09	17.12	16.72	17.06
<b>1990 Average</b>	W	21.29	-	19.26	22.46	20.36	23.43	19.55	19.88	18.84	20.40
<b>1991</b>											
January .....	W	W	-	19.39	24.68	12.89	W	17.04	21.24	16.04	19.45
February .....	W	20.82	-	13.62	20.48	14.06	W	14.50	17.12	14.56	16.73
March .....	W	W	-	13.59	19.44	W	24.50	14.90	16.18	15.24	16.48
April .....	W	16.85	-	15.34	19.12	15.14	W	15.38	16.90	15.72	16.88
May .....	W	W	W	15.24	19.35	15.15	W	14.68	16.95	15.71	16.71
June .....	W	16.77	-	14.68	18.38	14.54	W	13.62	16.33	15.29	16.04
July .....	W	W	W	15.24	19.44	W	19.45	14.85	17.41	15.86	16.86
August .....	W	W	W	15.34	20.20	16.35	W	14.64	17.82	16.81	17.23
September ..	W	W	W	16.40	21.10	15.85	20.24	15.63	18.79	16.76	17.57
October .....	W	18.50	W	16.91	22.55	14.61	W	16.44	19.42	15.76	18.12
November ....	W	W	-	16.30	21.83	13.33	21.67	14.77	18.97	15.02	17.03
December ....	W	W	-	13.47	18.99	12.72	W	12.62	16.57	14.32	15.03
<b>1991 Average</b>	W	18.69	15.58	15.37	20.29	14.62	20.81	14.91	17.79	15.59	16.99
<b>1992</b>											
January .....	W	W	-	12.45	18.58	W	-	12.32	15.44	14.07	14.50
February .....	W	W	-	12.40	18.28	14.81	W	12.53	16.04	15.35	15.04
March .....	-	W	-	12.68	18.10	14.87	W	12.45	16.01	15.20	15.28
April .....	W	16.23	-	14.11	19.59	W	W	14.38	17.10	17.28	17.25
May .....	W	W	-	16.05	20.47	17.81	W	15.03	18.35	18.13	17.83
June .....	W	W	-	17.09	21.42	W	20.14	15.33	19.20	17.95	18.44
July .....	W	W	-	16.88	20.83	17.60	W	15.10	18.74	18.20	18.09
August .....	W	W	-	16.36	20.33	W	20.00	15.38	18.43	17.99	17.60
September ..	-	W	-	16.88	20.84	16.69	20.20	16.21	18.65	17.11	18.01
October .....	-	W	-	16.90	20.76	W	W	15.40	18.70	15.89	17.42
November ....	-	W	-	15.78	20.00	14.62	19.82	13.82	17.57	15.12	15.97
December ....	W	W	-	14.79	18.42	15.62	W	13.38	16.13	15.91	15.60
<b>1992 Average</b>	W	17.06	-	15.26	19.98	15.85	19.81	14.39	17.65	16.50	16.87
<b>1993</b>											
January .....	-	W	-	14.14	17.95	15.55	18.29	12.99	15.17	15.60	15.82
February .....	-	W	-	14.84	19.08	16.17	18.13	13.68	16.51	16.39	16.49
March .....	W	W	-	15.17	19.33	16.45	18.51	14.22	16.85	16.83	16.92
April .....	-	W	-	15.04	19.19	16.03	18.36	14.52	16.90	16.24	16.59
May .....	-	19.14	-	15.15	18.92	14.54	18.29	13.89	16.73	15.03	16.32
June .....	-	W	-	14.06	18.01	W	17.15	12.47	15.89	14.29	14.94
July .....	W	16.48	-	13.09	17.46	W	16.07	11.96	14.96	13.56	14.18
August .....	-	17.74	-	13.20	17.42	W	16.73	12.56	14.68	14.40	14.24
September ..	W	W	-	13.56	16.88	W	16.30	12.72	14.23	13.97	14.37

<sup>a</sup> FOB = Free on Board. See Glossary.

<sup>b</sup> Includes Algeria, Libya, Saudi Arabia, United Arab Emirates, Iraq, Kuwait, and Qatar.

<sup>c</sup> Includes Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela. Prior to January 1, 1993, data included Ecuador, which was then a member of OPEC.

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values for the current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Sources: January 1978 through December 1978: Form FEA-F701-M-0, "Transfer Pricing Report"; January 1979 through September 1982: Form ERA-51, "Transfer Pricing Report"; October 1982 through June 1984: Form EP-51, "Monthly Foreign Crude Oil Transaction Report"; July 1984 to present: Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

**Table 22. Landed Costs of Imported Crude Oil, by Selected Country**  
(Dollars per Barrel)

Year Month	Selected Countries										OPEC	
	Algeria	Canada	Indonesia	Iran	Mexico	Nigeria	Saudi Arabia	United Kingdom	Venezuela	Other Countries	Arab OPEC <sup>a</sup>	Total OPEC <sup>b</sup>
1978 Average	14.93	14.41	14.65	13.89	13.56	14.88	13.94	14.53	12.84	14.58	14.38	14.34
1979 Average	21.88	20.22	20.63	24.21	20.77	22.97	18.95	22.97	17.65	22.86	20.79	21.29
1980 Average	37.92	30.11	33.92	NA	31.77	37.15	29.80	35.88	25.92	36.15	32.97	33.58
1981 Average	40.46	32.32	37.31	-	33.70	39.66	34.20	37.29	29.91	38.54	36.22	36.80
1982 Average	35.35	27.15	36.70	32.48	28.63	36.18	34.99	34.25	24.93	34.03	35.15	34.81
1983 Average	31.26	25.63	31.57	29.81	25.78	30.85	29.27	30.87	22.94	29.68	29.87	29.84
1984 Average	29.06	26.58	30.87	28.70	26.85	30.38	29.20	29.45	25.19	29.21	29.10	29.06
1985 Average	27.51	25.71	28.67	25.79	25.63	28.96	24.72	28.36	24.43	27.33	25.90	26.86
1986 Average	14.82	13.43	14.63	12.38	12.17	15.29	12.84	14.63	11.52	14.25	13.14	13.46
1987 Average	17.87	17.04	18.49	18.28	16.89	19.32	16.81	18.78	15.76	18.30	17.32	17.64
1988 Average	W	13.50	15.15	W	12.58	15.88	13.37	15.82	13.66	14.45	13.60	14.18
1989 Average	19.13	16.81	18.35	-	16.35	19.19	17.34	18.74	16.78	18.08	17.41	17.78
1990 Average	W	20.48	22.50	-	19.64	23.33	21.82	22.65	20.31	20.52	20.64	21.23
1991												
January .....	W	20.81	W	-	19.96	28.00	18.53	W	18.35	24.08	18.94	20.16
February .....	W	17.05	22.61	-	14.23	21.66	16.18	W	15.76	19.42	18.29	17.43
March .....	W	15.20	20.03	-	14.15	20.60	17.08	25.77	16.18	18.59	17.23	17.88
April .....	W	16.26	18.85	-	15.85	20.31	17.54	20.56	16.35	18.77	17.65	18.17
May .....	W	16.28	W	W	15.81	20.50	17.34	20.21	15.74	19.53	17.49	17.98
June .....	W	16.19	18.25	-	15.20	19.79	16.85	19.35	14.61	18.38	17.01	17.32
July .....	W	17.14	17.76	17.56	15.89	20.73	17.48	20.47	15.92	18.82	17.61	17.96
August .....	W	17.61	W	W	15.78	21.29	18.04	20.71	15.64	19.30	18.17	18.40
September ..	W	17.84	W	W	15.82	22.13	18.19	21.16	16.44	20.35	18.42	18.70
October .....	W	18.38	19.85	W	17.34	23.68	17.82	22.07	17.28	20.91	17.97	19.03
November ....	W	17.53	21.05	-	16.53	22.71	16.46	22.71	15.66	21.04	16.90	17.95
December ....	W	15.87	W	-	13.96	19.96	15.03	20.29	13.46	18.67	15.49	15.94
1991 Average	W	17.16	20.20	17.54	15.89	21.39	17.22	21.37	15.92	19.73	17.45	18.08
1992												
January .....	W	14.83	W	-	13.02	19.34	14.81	W	13.20	17.46	15.18	15.38
February .....	W	15.57	W	-	12.78	19.10	15.61	W	13.47	17.64	15.85	15.67
March .....	-	15.68	W	-	13.08	19.05	16.05	18.83	13.41	17.44	16.14	16.29
April .....	W	16.42	17.76	-	14.40	20.32	18.01	18.97	15.08	18.10	18.11	18.07
May .....	W	17.35	17.66	-	16.39	21.25	18.82	19.99	15.73	19.58	18.80	18.65
June .....	W	18.40	19.60	-	17.41	22.11	19.49	20.85	16.01	20.93	19.60	19.67
July .....	W	18.50	21.06	-	17.20	21.49	19.00	21.45	15.78	20.49	19.15	19.08
August .....	W	18.28	21.28	-	16.74	21.05	18.45	21.37	16.10	20.10	18.79	18.70
September ..	-	18.35	W	-	17.34	21.57	18.45	20.72	16.89	20.12	18.51	18.83
October .....	W	18.35	W	-	17.26	21.60	17.96	21.17	16.14	20.09	18.08	18.68
November ....	-	17.26	W	-	16.18	20.79	17.02	21.00	14.51	19.25	17.05	17.28
December ....	W	15.85	W	-	15.12	19.32	16.64	19.46	14.07	17.80	16.69	16.62
1992 Average	W	17.04	18.76	-	15.60	20.78	17.48	20.63	15.13	19.25	17.63	17.81
1993												
January .....	-	15.27	W	-	14.50	18.96	16.36	19.12	14.07	17.21	16.39	16.84
February .....	-	15.84	W	-	14.98	19.92	17.29	19.28	14.60	18.17	17.29	17.43
March .....	W	16.48	W	-	15.50	20.25	17.58	19.43	15.14	18.43	17.63	17.83
April .....	W	16.79	19.89	-	15.55	20.18	17.58	19.32	15.54	18.48	17.55	17.77
May .....	W	16.82	20.57	-	15.57	19.79	16.64	19.33	14.91	18.41	18.79	17.30
June .....	-	16.25	W	-	14.50	18.93	15.72	18.67	13.53	17.44	15.86	16.03
July .....	W	15.30	17.86	-	13.44	18.31	14.94	17.51	12.92	16.44	14.96	15.30
August .....	-	14.93	19.28	-	13.73	18.08	15.12	17.56	13.32	15.99	15.12	15.26
September ..	W	14.58	W	-	13.87	17.59	14.64	17.35	13.45	15.48	14.57	14.95

<sup>a</sup> Includes Algeria, Libya, Saudi Arabia, United Arab Emirates, Iraq, Kuwait, and Qatar.

<sup>b</sup> Includes Algeria, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates and Venezuela. Prior to January 1, 1993, data included Ecuador, which was then a member of OPEC.

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values for the current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Sources: January 1978 through December 1978: Form FEA-F701-M-0, "Transfer Pricing Report"; January 1979 through September 1982: Form ERA-51, "Transfer Pricing Report"; October 1982 through June 1984: Form EP-51, "Monthly Foreign Crude Oil Transaction Report"; July 1984 to present: Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

**Table 23. FOB<sup>a</sup> Costs of Imported Crude Oil by API Gravity**  
(Dollars per Barrel)

Year Month	20.0° or Less	20.1° to 25.0°	25.1° to 30.0°	30.1° to 35.0°	35.1° to 40.0°	40.1° to 45.0°	45.1° or Greater
<b>1978 Average</b> .....	11.98	11.74	12.51	13.06	13.62	14.00	14.01
<b>1979 Average</b> .....	14.43	18.54	19.91	19.54	21.24	21.65	19.77
<b>1980 Average</b> .....	23.09	28.76	30.72	30.31	34.33	35.39	36.13
<b>1981 Average</b> .....	26.70	31.20	33.61	34.38	36.85	38.42	38.59
<b>1982 Average</b> .....	23.08	25.82	31.48	33.56	34.29	34.82	34.48
<b>1983 Average</b> .....	21.77	24.27	27.38	29.04	29.74	30.10	30.12
<b>1984 Average</b> .....	24.10	25.31	27.22	28.55	29.18	29.40	28.02
<b>1985 Average</b> .....	23.45	24.27	24.86	26.46	27.43	27.79	26.90
<b>1986 Average</b> .....	10.51	10.96	12.25	12.83	13.83	14.19	13.76
<b>1987 Average</b> .....	15.21	15.37	15.76	17.24	17.99	18.03	17.37
<b>1988 Average</b> .....	11.92	11.65	12.48	13.82	14.38	14.89	15.25
<b>1989 Average</b> .....	14.00	14.89	16.95	17.50	18.09	18.23	18.05
<b>1990 Average</b> .....	15.98	18.00	20.54	20.77	22.19	22.78	22.28
<b>1991</b>							
January .....	15.27	16.98	19.00	20.56	24.34	23.03	24.84
February .....	11.50	12.40	16.07	16.57	20.55	19.08	19.88
March .....	11.94	11.99	16.01	16.21	19.09	18.89	18.94
April .....	11.82	13.13	16.57	17.15	18.95	19.27	19.55
May .....	10.94	13.43	16.08	16.90	19.33	19.61	19.43
June .....	10.72	12.88	15.70	16.87	18.42	18.09	19.44
July .....	12.17	13.72	16.50	17.62	19.68	19.23	W
August .....	11.53	14.08	16.72	18.02	20.18	19.26	W
September .....	11.68	14.44	17.07	18.54	20.61	W	W
October .....	12.78	15.28	17.07	18.87	22.07	22.39	W
November .....	11.47	14.03	15.62	18.78	21.27	21.10	W
December .....	10.64	11.84	13.50	16.79	18.63	18.32	W
<b>1991 Average</b> .....	11.91	13.72	16.39	17.67	20.15	19.69	20.86
<b>1992</b>							
January .....	9.20	11.12	14.14	16.15	17.83	18.11	W
February .....	9.35	11.10	14.02	16.26	18.05	17.82	W
March .....	9.51	11.70	15.02	16.89	17.79	17.85	W
April .....	10.21	13.26	16.74	18.34	19.04	19.22	19.43
May .....	11.30	14.73	17.91	19.12	19.85	20.32	20.23
June .....	13.09	15.69	18.58	19.71	20.97	21.76	W
July .....	12.13	15.49	18.34	19.32	20.42	20.83	20.93
August .....	12.95	15.28	17.94	18.58	20.00	20.02	21.46
September .....	13.53	15.55	18.05	18.56	20.46	20.61	W
October .....	13.46	15.46	17.75	18.74	20.46	20.30	W
November .....	12.51	13.74	15.84	17.41	19.28	19.82	20.41
December .....	12.58	12.87	15.24	16.76	18.28	18.48	18.99
<b>1992 Average</b> .....	11.83	13.96	16.74	18.02	19.50	19.58	20.05
<b>1993</b>							
January .....	11.69	12.53	15.42	16.22	17.71	17.57	W
February .....	12.19	13.21	16.72	17.01	18.68	18.67	18.83
March .....	12.81	13.71	17.11	17.45	18.77	19.71	20.50
April .....	12.60	13.90	16.78	17.38	18.82	18.82	W
May .....	12.23	13.65	16.60	16.92	18.44	18.93	19.50
June .....	11.18	12.46	15.97	16.19	17.54	W	W
July .....	10.58	11.85	14.62	15.27	16.71	18.97	17.50
August .....	11.48	12.09	14.20	15.15	16.64	W	18.55
September .....	11.71	11.89	14.50	14.88	16.18	W	W

<sup>a</sup> FOB = Free on Board. See Glossary.

W = Withheld to avoid disclosure of individual company data.

Note: Values for the current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Sources: January 1978 through December 1978: Form FEA-F701-M-0, "Transfer Pricing Report"; January 1979 through September 1982: Form ERA-51, "Transfer Pricing Report"; October 1982 through June 1984: Form EP-51, "Monthly Foreign Crude Oil Transaction Report"; July 1984 to present: Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

**Table 24. Landed Costs of Imported Crude Oil by API Gravity**  
(Dollars per Barrel)

Year Month	20.0° or Less	20.1° to 25.0°	25.1° to 30.0°	30.1° to 35.0°	35.1° to 40.0°	40.1° to 45.0°	45.1° or Greater
<b>1978 Average</b> .....	12.75	13.11	13.78	14.10	14.69	14.87	15.16
<b>1979 Average</b> .....	15.57	20.05	20.88	21.01	22.61	23.06	21.23
<b>1980 Average</b> .....	24.54	29.65	31.83	31.73	35.81	36.85	37.57
<b>1981 Average</b> .....	27.94	32.00	34.86	35.71	38.36	39.78	39.97
<b>1982 Average</b> .....	24.17	26.46	32.62	34.76	35.43	35.78	35.81
<b>1983 Average</b> .....	23.17	24.95	28.62	30.25	30.96	31.28	31.27
<b>1984 Average</b> .....	25.08	25.97	28.38	29.58	30.16	30.16	29.05
<b>1985 Average</b> .....	24.33	24.65	26.17	27.10	28.29	28.39	27.73
<b>1986 Average</b> .....	11.30	11.49	13.28	13.59	14.99	14.80	15.37
<b>1987 Average</b> .....	16.14	15.87	17.21	18.16	18.72	18.89	18.57
<b>1988 Average</b> .....	12.75	12.11	13.54	14.35	15.21	15.74	16.24
<b>1989 Average</b> .....	14.90	15.42	17.59	17.87	18.74	19.05	19.13
<b>1990 Average</b> .....	16.82	18.54	21.59	21.18	22.47	23.47	23.41
<b>1991</b>							
January .....	16.53	17.71	20.62	20.72	24.77	24.34	26.63
February .....	12.87	12.96	15.23	17.76	20.92	21.07	22.26
March .....	13.31	12.69	16.94	17.69	19.95	20.24	20.63
April .....	12.87	13.76	17.56	18.24	20.00	20.37	21.04
May .....	12.26	14.08	16.76	18.30	20.22	20.82	21.36
June .....	11.80	13.77	16.60	18.01	19.59	19.65	20.69
July .....	13.42	14.38	17.15	18.51	20.39	20.57	21.60
August .....	12.71	14.84	17.69	18.99	20.89	20.55	21.77
September .....	13.10	15.20	17.91	19.25	21.44	W	22.32
October .....	13.63	15.87	17.85	19.71	22.33	23.27	24.07
November .....	12.54	14.73	16.31	19.18	21.94	21.96	23.21
December .....	11.62	12.29	14.25	17.38	19.31	19.28	19.95
<b>1991 Average</b> .....	13.06	14.41	17.17	18.65	20.86	20.86	22.15
<b>1992</b>							
January .....	10.13	11.75	14.82	16.34	18.19	18.94	20.61
February .....	10.41	11.89	14.72	16.66	18.38	18.55	20.03
March .....	10.63	12.54	15.64	17.03	18.41	18.98	19.56
April .....	11.27	13.81	17.40	18.45	19.26	20.28	20.31
May .....	12.38	15.31	18.21	19.26	20.33	20.90	21.17
June .....	13.94	16.31	19.33	20.28	21.46	22.43	22.19
July .....	13.46	16.18	19.00	19.81	21.19	21.87	21.93
August .....	13.85	15.92	18.49	19.37	20.82	21.33	21.71
September .....	14.43	16.13	18.66	19.40	21.12	21.34	22.66
October .....	14.63	16.11	18.65	19.31	21.10	21.10	21.94
November .....	13.45	14.32	16.86	18.03	20.16	20.41	20.56
December .....	13.48	13.47	16.06	17.50	18.74	19.41	19.57
<b>1992 Average</b> .....	12.89	14.58	17.39	18.50	20.11	20.55	20.95
<b>1993</b>							
January .....	13.07	13.09	16.19	17.13	18.49	18.50	19.00
February .....	13.25	13.79	17.04	17.93	19.22	19.49	19.64
March .....	13.94	14.48	17.55	18.17	19.50	20.41	21.29
April .....	13.86	14.72	17.54	18.22	19.54	20.22	20.29
May .....	13.44	14.56	17.33	17.63	19.30	20.12	20.64
June .....	12.38	13.22	16.59	16.79	18.52	18.94	19.43
July .....	11.74	12.66	15.48	16.04	17.61	18.77	18.46
August .....	12.40	12.90	14.99	15.80	17.37	18.78	18.35
September .....	12.54	12.54	14.96	15.18	16.94	17.39	17.18

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Sources: January 1978 through December 1978: Form FEA-F701-M-0, "Transfer Pricing Report"; January 1979 through September 1982: Form ERA-51, "Transfer Pricing Report"; October 1982 through June 1984: Form EP-51, "Monthly Foreign Crude Oil Transaction Report"; July 1984 to present: Form EIA-858, "Monthly Foreign Crude Oil Acquisition Report."

**Table 25. Percentages of Total Imported Crude Oil by API Gravity**  
(Percent by Interval)

Year Month	20.0° or Less	20.1° to 25.0°	25.1° to 30.0°	30.1° to 35.0°	35.1° to 40.0°	40.1° to 45.0°	45.1° or Greater
<b>1978 Average</b> .....	1.26	3.57	7.93	38.79	31.66	13.48	3.31
<b>1979 Average</b> .....	1.65	3.96	8.45	38.98	30.64	13.36	2.96
<b>1980 Average</b> .....	1.70	6.18	9.25	38.43	27.02	13.56	3.85
<b>1981 Average</b> .....	2.19	8.88	9.46	37.37	26.80	12.63	2.98
<b>1982 Average</b> .....	3.39	14.90	11.72	35.59	23.76	8.44	2.20
<b>1983 Average</b> .....	3.91	20.40	15.14	24.95	23.63	7.74	4.23
<b>1984 Average</b> .....	6.48	20.52	11.59	21.05	25.75	8.12	6.48
<b>1985 Average</b> .....	7.62	20.46	11.19	27.14	24.93	4.02	4.65
<b>1986 Average</b> .....	5.54	19.36	14.12	27.49	25.74	3.65	4.11
<b>1987 Average</b> .....	4.04	19.68	16.88	26.91	24.79	3.87	3.95
<b>1988 Average</b> .....	3.52	18.27	15.99	30.72	24.45	4.04	3.02
<b>1989 Average</b> .....	2.55	14.39	16.80	36.27	23.79	3.55	2.64
<b>1990 Average</b> .....	3.64	14.96	18.13	34.44	23.21	2.94	2.67
<b>1991</b>							
January .....	3.84	17.38	20.93	37.72	16.23	1.83	2.06
February .....	3.89	15.39	21.06	36.29	20.70	1.78	.89
March .....	4.00	16.30	20.03	33.13	23.43	.64	2.46
April .....	3.27	13.94	19.39	37.96	22.34	.78	2.32
May .....	2.90	14.93	17.47	35.29	26.35	1.18	1.87
June .....	4.19	15.90	21.57	34.93	18.37	3.76	1.27
July .....	4.56	14.80	21.74	34.93	20.99	2.04	.94
August .....	4.44	16.09	21.76	34.40	20.32	1.99	.99
September .....	3.08	17.65	20.76	33.33	22.85	W	1.73
October .....	4.19	18.06	22.35	30.60	22.02	1.59	1.18
November .....	3.21	15.64	21.30	36.55	17.15	4.33	1.82
December .....	3.45	16.38	21.21	32.98	19.99	4.92	1.06
<b>1991 Average</b> .....	3.78	16.02	20.79	34.84	20.94	2.11	1.65
<b>1992</b>							
January .....	3.58	18.58	26.18	32.19	15.42	2.69	1.38
February .....	3.04	18.66	20.73	35.10	18.44	2.38	1.66
March .....	4.64	17.43	24.55	27.87	20.14	4.50	.87
April .....	2.90	16.47	21.30	33.55	19.48	3.27	1.02
May .....	4.24	17.87	19.27	32.27	20.93	4.46	1.07
June .....	4.91	17.09	22.36	28.15	23.37	3.14	.88
July .....	4.25	17.81	21.24	29.43	22.85	3.03	1.39
August .....	4.09	18.15	21.36	30.46	21.68	3.24	1.02
September .....	3.81	17.54	25.29	27.81	22.36	2.43	.76
October .....	4.93	17.46	23.20	33.36	18.60	2.18	.37
November .....	3.85	15.65	20.05	32.64	24.33	2.49	1.00
December .....	4.12	17.08	23.71	34.71	17.13	2.03	1.22
<b>1992 Average</b> .....	4.05	17.64	22.41	31.38	20.49	3.00	1.04
<b>1993</b>							
January .....	4.61	18.53	22.47	27.95	24.49	1.50	.46
February .....	4.20	18.14	19.51	35.41	17.94	3.57	1.23
March .....	4.98	18.66	20.35	28.63	23.43	2.50	1.46
April .....	3.89	19.25	19.05	34.08	20.21	2.46	1.06
May .....	4.07	17.82	20.13	30.66	22.47	3.42	1.44
June .....	5.18	18.48	19.05	32.31	22.24	1.66	1.17
July .....	4.29	20.18	22.37	29.86	20.49	1.55	1.26
August .....	6.15	21.82	19.23	25.62	24.01	1.73	1.44
September .....	4.23	19.77	20.27	31.17	20.64	1.66	2.07

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Sources: January 1978 through December 1978: Form FEA-F701-M-0, "Transfer Pricing Report"; January 1979 through September 1982: Form ERA-51, "Transfer Pricing Report"; October 1982 through June 1984: Form EP-51, "Monthly Foreign Crude Oil Transaction Report"; July 1984 to Present: Form EIA-858, "Monthly Foreign Crude Oil Acquisition Report."

**Table 26. FOB<sup>a</sup> Costs of Imported Crude Oil for Selected Crude Streams**  
(Dollars per Barrel)

Year Quarter Month	Algerian Condensate	Angolan Cabinda	Canadian Lloydminster	Cameroon Kola Marine	Ecuadorian Oriente	Mexican Isthmus	Mexican Mayan
1978 Average	W	13.32	-	W	12.87	13.24	-
1979 Average	W	20.35	-	W	27.59	20.29	21.50
1980 Average	35.81	33.24	W	35.92	34.51	32.78	28.73
1981 Average	38.38	35.55	W	37.51	32.66	36.23	30.82
1982 Average	32.58	31.86	W	33.73	32.36	32.50	25.29
1983 Average	29.86	28.14	24.54	29.03	28.22	29.41	23.99
1984 Average	27.77	27.58	24.70	28.56	28.16	29.00	25.35
1985 Average	26.57	26.30	23.79	26.86	26.12	27.25	24.23
1986 Average	13.25	13.39	12.77	13.64	13.32	13.88	10.93
1987 Average	16.66	17.31	15.12	W	16.53	17.94	15.72
1988 Average	W	14.52	11.28	14.28	12.96	14.23	11.26
1989 Average	W	17.15	W	17.46	16.26	W	14.71
1990 Average	W	W	18.50	W	W	23.39	17.29
1991 Average	W	W	13.51	W	16.04	18.55	13.02
1992							
January	W	-	W	-	W	15.58	9.93
February	W	-	W	-	14.69	15.88	10.04
March	-	W	W	W	-	15.91	10.60
1st Quarter Average	W	W	W	W	14.43	15.80	10.21
April	W	W	W	-	-	17.66	12.28
May	W	W	W	-	W	19.23	14.20
June	W	19.83	W	-	W	20.19	15.22
2nd Quarter Average	W	18.74	W	-	W	19.01	13.89
July	W	19.41	W	W	W	19.48	15.35
August	W	W	W	-	W	19.03	14.98
September	-	19.18	W	-	W	19.64	15.18
3rd Quarter Average	W	19.01	W	W	18.28	19.32	15.17
October	-	19.01	W	-	W	19.35	15.35
November	-	18.13	W	-	W	18.22	14.08
December	W	17.47	W	-	W	17.29	12.62
4th Quarter Average	W	18.10	W	-	W	18.18	14.06
1992 Average	W	18.46	W	W	17.60	17.92	13.42
1993							
January	-	16.83	W	-	W	16.27	12.31
February	-	W	W	-	W	17.64	12.95
March	W	W	W	-	W	17.82	13.32
1st Quarter Average	W	17.03	W	-	W	17.18	12.87
April	-	W	W	-	W	17.85	13.60
May	-	17.70	W	W	W	17.86	13.19
June	-	16.70	13.39	W	W	16.97	11.83
2nd Quarter Average	-	17.17	W	W	W	17.56	12.90
July	W	15.71	W	-	14.06	15.47	11.50
August	-	15.64	W	-	W	15.21	11.72
September	W	14.98	W	-	W	W	11.82
3rd Quarter Average	W	15.52	W	-	13.66	15.30	11.68

See footnotes at end of table.

**Table 26. FOB<sup>a</sup> Costs of Imported Crude Oil for Selected Crude Streams (Continued)**  
(Dollars per Barrel)

Year Quarter Month	Nigerian Brass River	Nigerian Bonny Light	Norwegian Ekofisk	Saudi Arabian Light	Saudi Arabian Heavy	United Kingdom Brent	Venezuelan Boscan
1978 Average .....	14.17	14.11	13.91	12.74	12.07	-	W
1979 Average .....	21.69	25.68	21.36	17.33	15.83	21.92	W
1980 Average .....	35.57	37.71	35.86	27.79	26.14	33.13	18.56
1981 Average .....	38.64	38.19	37.72	32.62	31.42	36.22	W
1982 Average .....	35.18	35.58	34.04	34.08	31.10	33.55	19.00
1983 Average .....	30.31	30.07	29.73	29.22	26.30	30.30	19.31
1984 Average .....	29.82	29.67	29.17	29.11	26.52	29.25	22.24
1985 Average .....	28.23	W	W	23.70	W	27.88	21.94
1986 Average .....	14.07	14.02	16.23	11.79	11.00	14.07	9.44
1987 Average .....	18.32	18.45	18.25	14.46	14.85	18.37	15.75
1988 Average .....	15.39	15.33	14.58	12.98	11.88	14.40	12.29
1989 Average .....	18.42	18.58	17.80	18.28	W	18.38	12.27
1990 Average .....	23.47	22.67	W	21.72	19.13	29.33	12.15
1991 Average .....	21.10	20.46	20.39	16.83	13.25	22.17	8.49
1992							
January .....	-	18.49	W	W	W	-	W
February .....	W	W	-	16.38	W	-	W
March .....	W	18.33	W	W	W	W	W
1st Quarter Average .....	W	18.42	W	16.20	W	W	5.42
April .....	W	19.75	W	W	W	W	W
May .....	W	20.55	W	W	16.46	W	8.15
June .....	W	21.55	-	W	W	W	W
2nd Quarter Average .....	W	20.51	W	W	16.36	W	8.38
July .....	W	20.95	W	W	16.67	W	8.70
August .....	W	20.43	W	W	W	W	W
September .....	W	20.87	-	W	W	W	8.79
3rd Quarter Average .....	W	20.76	W	W	16.16	W	8.61
October .....	W	20.82	W	W	W	W	W
November .....	W	20.06	W	W	W	19.92	W
December .....	W	18.53	W	W	14.38	W	-
4th Quarter Average .....	W	20.06	W	W	13.88	19.55	9.37
1992 Average .....	20.26	20.10	19.62	17.34	14.76	19.74	8.25
1993							
January .....	17.65	17.92	-	16.16	14.28	W	W
February .....	W	19.14	W	W	W	18.13	W
March .....	W	19.42	W	W	W	18.51	-
1st Quarter Average .....	19.14	18.64	19.22	16.55	14.73	18.40	W
April .....	19.34	19.27	-	W	W	W	-
May .....	W	18.88	W	W	13.32	W	W
June .....	W	18.09	-	-	W	W	8.96
2nd Quarter Average .....	19.15	18.89	W	15.90	13.42	18.41	9.51
July .....	-	17.59	-	-	W	W	W
August .....	-	W	-	-	W	W	W
September .....	W	W	-	-	W	W	W
3rd Quarter Average .....	W	17.39	-	-	W	W	9.62

\* FOB = Free on Board. See Glossary.

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values for the current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Sources: January 1978 through December 1978: Form FEA-F701-M-0, "Transfer Pricing Report"; January 1979 through September 1982: Form ERA-51, "Transfer Pricing Report"; October 1982 through June 1984: Form EP-51, "Monthly Foreign Crude Oil Transaction Report"; July 1984 to present: Form EIA-856, "Monthly Foreign Crude Oil Acquisition Report."

**Table 27. Landed Costs of Imported Crude Oil for Selected Crude Streams**  
(Dollars per Barrel)

Year Quarter Month	Algerian Condensate	Angolan Cabinda	Canadian Lloydminster	Cameroon Kole Marine	Ecuadorian Oriente	Mexican Isthmus	Mexican Mayan
1978 Average .....	W	14.07	-	W	13.85	13.54	-
1979 Average .....	W	21.51	-	25.40	29.17	20.78	22.23
1980 Average .....	37.73	34.68	W	37.89	34.61	33.42	29.49
1981 Average .....	40.03	38.84	W	38.95	33.56	36.87	31.52
1982 Average .....	33.71	33.08	W	34.95	32.97	33.11	25.86
1983 Average .....	30.79	29.31	25.27	30.28	28.90	30.00	24.56
1984 Average .....	28.59	28.83	25.35	29.51	28.79	29.48	25.84
1985 Average .....	27.21	27.48	24.38	27.94	26.97	27.60	24.57
1986 Average .....	14.54	14.27	13.52	13.71	14.39	14.28	11.24
1987 Average .....	17.72	18.43	15.88	18.83	17.60	18.32	18.03
1988 Average .....	W	14.96	12.21	15.21	13.77	14.69	11.65
1989 Average .....	W	18.15	15.36	18.71	17.69	W	15.14
1990 Average .....	W	20.01	19.55	19.76	21.83	23.79	17.75
1991 Average .....	W	18.31	14.63	W	17.52	19.16	13.62
<b>1992</b>							
January .....	W	W	W	-	W	16.13	10.39
February .....	W	W	W	-	15.53	16.35	10.49
March .....	-	W	W	W	W	16.50	11.11
1st Quarter Average .....	W	17.91	W	W	15.50	16.33	10.68
April .....	W	W	W	-	W	18.09	12.63
May .....	W	19.07	W	-	18.26	19.46	14.61
June .....	W	20.21	W	-	20.27	20.61	15.61
2nd Quarter Average .....	W	19.25	W	-	19.12	19.38	14.28
July .....	W	20.38	W	W	W	19.89	15.70
August .....	W	19.70	W	-	19.19	19.49	15.35
September .....	-	20.03	W	-	19.11	20.13	15.55
3rd Quarter Average .....	W	20.04	W	W	19.24	19.77	15.53
October .....	-	20.10	W	-	W	19.85	15.77
November .....	-	19.75	W	-	18.36	18.62	14.49
December .....	W	18.43	W	-	W	17.81	13.00
4th Quarter Average .....	W	19.40	W	-	18.48	18.66	14.46
1992 Average .....	W	19.59	W	W	18.52	18.40	13.80
<b>1993</b>							
January .....	-	17.74	W	-	16.72	16.83	12.71
February .....	-	17.74	W	-	17.70	18.14	13.35
March .....	W	18.80	W	-	W	18.30	13.73
1st Quarter Average .....	W	18.05	W	-	17.23	17.69	13.28
April .....	-	18.71	W	-	W	18.48	14.07
May .....	-	18.80	W	W	18.27	18.53	13.69
June .....	-	17.77	14.54	W	18.45	17.55	12.47
2nd Quarter Average .....	-	18.40	W	W	17.50	18.18	13.40
July .....	W	17.17	13.41	-	15.83	16.06	11.94
August .....	-	16.70	13.31	-	15.06	15.76	12.33
September .....	W	15.98	12.97	-	W	W	12.17
3rd Quarter Average .....	W	16.74	13.22	-	15.35	15.84	12.14

See footnotes at end of table.

**Table 27. Landed Costs of Imported Crude Oil for Selected Crude Streams (Continued)**  
(Dollars per Barrel)

Year Quarter Month	Nigerian Brass River	Nigerian Bonny Light	Norwegian Ekofisk	Saudi Arabian Light	Saudi Arabian Heavy	United Kingdom Brent	Venezuelan Boscan
1976 Average .....	14.97	15.04	14.68	14.04	13.32	-	W
1979 Average .....	23.19	27.11	22.64	19.18	17.68	23.26	W
1980 Average .....	37.02	38.58	36.91	29.57	28.16	34.57	20.34
1981 Average .....	40.01	39.25	36.70	34.32	33.02	37.58	W
1982 Average .....	36.26	36.45	34.70	35.65	32.64	34.53	20.32
1983 Average .....	31.44	31.06	30.79	30.95	28.12	31.26	20.69
1984 Average .....	30.71	30.46	29.99	30.61	28.10	29.69	23.20
1985 Average .....	29.14	28.98	28.18	25.35	23.69	28.49	22.85
1986 Average .....	14.89	15.00	15.07	13.06	12.17	14.84	10.42
1987 Average .....	19.39	19.26	18.96	17.88	16.20	18.71	16.65
1988 Average .....	16.06	16.02	15.45	14.04	12.80	15.84	13.23
1989 Average .....	19.34	19.38	18.67	17.96	16.56	18.83	13.16
1990 Average .....	24.29	23.21	21.53	22.49	21.46	24.40	13.43
1991 Average .....	22.27	21.57	21.68	18.49	15.28	21.65	10.17
1992							
January .....	-	19.29	W	16.18	13.66	W	W
February .....	W	18.19	-	16.76	14.16	W	W
March .....	19.35	19.22	W	17.50	15.14	18.93	W
1st Quarter Average .....	19.53	19.23	W	16.81	14.36	18.82	6.71
April .....	20.67	20.43	W	19.44	17.17	18.84	W
May .....	W	21.43	21.49	19.76	17.31	19.94	9.54
June .....	W	22.22	W	20.38	18.11	20.71	W
2nd Quarter Average .....	21.76	21.30	21.09	19.91	17.54	20.04	9.98
July .....	W	21.58	21.88	19.74	17.85	21.45	9.97
August .....	W	21.10	W	19.22	17.25	21.44	W
September .....	W	21.54	W	19.30	17.26	20.72	9.78
3rd Quarter Average .....	21.59	21.42	21.73	19.42	17.39	21.21	9.77
October .....	22.15	21.54	21.36	18.44	16.59	21.19	W
November .....	W	20.74	W	17.75	15.87	21.07	W
December .....	W	19.35	W	17.78	15.22	19.52	-
4th Quarter Average .....	21.45	20.82	20.71	17.98	15.76	20.78	11.11
1992 Average .....	21.25	20.85	20.96	18.54	16.10	20.68	9.65
1993							
January .....	19.09	18.80	-	17.52	15.07	19.05	W
February .....	19.98	20.07	W	18.27	15.77	19.28	W
March .....	20.61	20.18	20.02	18.42	16.34	19.43	-
1st Quarter Average .....	19.91	19.52	19.95	18.11	15.89	19.31	W
April .....	20.73	20.26	-	17.93	16.12	19.60	-
May .....	W	19.65	W	17.42	15.27	19.48	W
June .....	W	18.91	W	16.82	14.41	18.98	11.20
2nd Quarter Average .....	20.31	19.82	19.31	17.46	15.23	19.35	11.54
July .....	W	18.26	-	16.10	13.56	17.87	W
August .....	W	W	-	16.37	13.97	17.65	W
September .....	W	W	-	15.82	13.76	17.55	W
3rd Quarter Average .....	W	17.95	-	16.11	13.75	17.63	11.49

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values for the current 2 months are preliminary. Values shown for previous months are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: Prices through 1980 reflect the month of reporting; prices since then reflect the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. Prices for crude oil can be determined at a time other than the acquisition date. See the Explanatory Notes section for additional detail.

Sources: January 1978 through December 1978: Form FEA-F701-M-0, "Transfer Pricing Report"; January 1979 through September 1982: Form ERA-51, "Transfer Pricing Report"; October 1982 through June 1984: Form EP-51, "Monthly Foreign Crude Oil Transaction Report"; July 1984 to present: Form EIA-858, "Monthly Foreign Crude Oil Acquisition Report."



# Sales Prices of Petroleum Products



**Table 28. Refiner/Reseller Motor Gasoline Prices by Grade,  
PAD District, and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>U.S. Average</b>										
September 1993 .....	78.4	68.4	70.6	58.7	78.3	64.9	87.1	71.0	74.6	61.8
August 1993 .....	78.5	66.9	71.7	60.0	79.7	66.6	88.2	72.5	75.8	63.2
September 1992 .....	85.4	75.0	78.4	68.2	85.5	74.4	93.9	81.0	81.9	71.2
<b>PAD District I Average</b>										
September 1993 .....	74.1	NA	68.0	56.8	78.3	63.9	87.3	70.8	73.9	61.3
August 1993 .....	73.9	72.5	69.9	59.3	80.0	66.2	88.9	72.9	75.6	63.7
September 1992 .....	82.0	81.6	76.2	67.6	85.7	74.0	94.4	81.0	81.4	71.7
<b>Subdistrict IA Average</b>										
September 1993 .....	W	W	71.3	58.2	80.3	64.8	89.0	71.0	76.6	62.0
August 1993 .....	W	W	73.2	60.9	82.0	67.0	90.7	73.4	78.5	64.9
September 1992 .....	84.5	W	82.0	70.4	90.5	76.8	98.8	83.3	86.8	74.2
<b>Connecticut</b>										
September 1993 .....	-	-	70.9	59.9	80.3	65.4	91.6	73.0	77.2	64.4
August 1993 .....	-	-	73.0	61.8	82.7	67.2	93.7	75.2	79.4	66.3
September 1992 .....	-	-	81.3	69.9	90.5	78.0	100.2	83.9	87.2	74.3
<b>Maine</b>										
September 1993 .....	-	-	78.0	55.6	85.7	60.3	93.1	67.6	81.7	58.4
August 1993 .....	-	-	78.9	59.0	86.8	63.4	93.7	70.4	82.8	61.9
September 1992 .....	-	-	84.8	69.1	94.6	74.3	100.1	80.8	88.5	71.6
<b>Massachusetts</b>										
September 1993 .....	-	-	68.2	57.4	78.3	65.2	87.0	70.2	74.2	61.3
August 1993 .....	-	-	70.5	60.6	80.2	67.7	89.0	72.8	76.3	64.6
September 1992 .....	W	-	80.7	70.6	89.2	76.8	97.8	83.1	85.7	74.4
<b>New Hampshire</b>										
September 1993 .....	-	-	73.1	61.0	84.5	66.7	92.0	74.5	78.2	64.6
August 1993 .....	-	-	74.6	62.7	84.5	68.6	92.9	76.3	79.7	66.5
September 1992 .....	-	-	83.3	72.3	92.8	76.6	101.3	84.8	87.8	75.3
<b>Rhode Island</b>										
September 1993 .....	W	-	68.3	56.3	75.4	62.2	82.2	68.4	73.3	60.1
August 1993 .....	NA	-	70.4	58.9	77.2	64.6	84.1	71.2	75.3	62.9
September 1992 .....	-	-	80.5	69.7	87.5	74.4	94.9	81.4	85.2	73.3
<b>Vermont</b>										
September 1993 .....	W	W	76.8	65.7	84.1	71.4	93.9	78.3	81.0	69.0
August 1993 .....	W	W	78.2	66.9	85.1	72.2	92.9	79.1	81.9	70.4
September 1992 .....	84.5	W	85.3	76.5	91.9	81.2	100.1	89.2	88.9	79.7
<b>Subdistrict IB Average</b>										
September 1993 .....	74.7	71.7	68.0	57.2	77.1	65.1	86.3	71.9	73.4	62.1
August 1993 .....	74.1	72.9	69.9	59.4	78.9	66.8	87.8	73.5	75.2	64.1
September 1992 .....	82.6	83.5	77.5	68.1	86.5	75.7	95.1	82.3	82.5	72.7
<b>Delaware</b>										
September 1993 .....	-	-	64.7	57.5	72.7	62.2	83.0	69.8	69.9	60.8
August 1993 .....	-	-	68.4	58.4	74.3	63.0	85.4	71.2	71.8	61.9
September 1992 .....	-	-	77.1	68.3	85.7	72.7	96.0	81.0	82.6	71.7
<b>District of Columbia</b>										
September 1993 .....	-	-	69.1	63.5	65.1	67.3	68.7	76.2	63.2	70.4
August 1993 .....	-	-	80.0	65.2	67.2	70.8	70.7	79.6	64.1	73.1
September 1992 .....	-	-	69.9	73.6	76.7	79.6	82.4	88.5	74.3	81.5
<b>Maryland</b>										
September 1993 .....	W	-	64.9	59.0	75.5	65.1	81.7	72.1	70.6	63.8
August 1993 .....	-	-	67.6	60.8	78.1	66.6	84.1	73.4	73.2	65.4
September 1992 .....	-	-	75.6	70.4	86.0	75.5	92.8	83.1	81.1	74.7
<b>New Jersey</b>										
September 1993 .....	W	-	69.1	55.8	83.3	65.0	91.2	71.0	77.7	61.5
August 1993 .....	W	-	70.3	57.9	84.4	67.7	92.5	72.7	78.9	63.1
September 1992 .....	W	W	79.9	66.1	91.3	78.6	98.7	82.0	87.4	71.4
<b>New York</b>										
September 1993 .....	78.6	71.7	70.2	58.7	78.9	67.7	88.7	75.0	75.0	64.2
August 1993 .....	77.6	73.1	71.6	61.1	79.8	68.7	89.1	76.5	76.3	66.2
September 1992 .....	82.4	84.2	76.9	69.0	85.4	76.0	93.9	83.6	81.3	74.1
<b>Pennsylvania</b>										
September 1993 .....	72.9	W	66.3	56.2	75.1	63.3	82.8	68.9	71.2	59.9
August 1993 .....	70.9	71.1	68.7	58.7	77.4	65.2	85.1	71.5	73.5	62.4
September 1992 .....	82.2	W	77.7	68.4	85.9	73.9	94.5	80.3	82.1	71.7

See footnotes at end of table.

**Table 28. Refiner/Reseller Motor Gasoline Prices by Grade,  
PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Subdistrict IC Average</b>										
September 1993 .....	71.7	-	67.4	66.0	78.5	63.0	87.5	69.6	73.6	60.3
August 1993 .....	74.5	W	69.1	68.7	80.1	65.5	89.2	72.1	75.3	63.0
September 1992 .....	80.7	W	74.5	66.3	84.5	72.0	93.2	78.8	79.9	69.9
<b>Florida</b>										
September 1993 .....	-	-	69.2	57.9	81.1	66.3	90.0	75.0	75.9	64.0
August 1993 .....	-	-	71.3	60.5	82.7	69.0	91.6	77.5	77.9	66.6
September 1992 .....	W	-	75.9	66.5	86.3	72.7	94.0	80.8	81.7	71.2
<b>Georgia</b>										
September 1993 .....	W	-	66.4	54.5	76.6	60.5	86.0	67.1	72.5	58.3
August 1993 .....	W	-	67.9	57.6	77.9	63.6	87.4	69.9	73.9	61.3
September 1992 .....	W	-	73.1	65.9	83.0	71.3	92.3	78.1	78.7	69.4
<b>North Carolina</b>										
September 1993 .....	W	-	65.3	55.2	75.7	61.1	84.6	66.3	70.7	58.5
August 1993 .....	W	-	67.0	57.9	77.4	63.5	86.8	68.5	72.3	61.0
September 1992 .....	W	-	72.9	65.8	82.0	71.4	91.0	76.7	77.7	68.7
<b>South Carolina</b>										
September 1993 .....	-	-	64.2	54.2	77.0	59.6	85.7	64.9	70.4	57.1
August 1993 .....	-	-	66.2	57.1	78.6	62.3	87.4	67.9	72.4	60.0
September 1992 .....	-	-	72.4	66.3	82.5	70.4	92.4	76.3	77.0	68.5
<b>Virginia</b>										
September 1993 .....	-	-	68.0	56.6	78.6	64.0	87.3	68.9	74.2	61.0
August 1993 .....	-	W	69.3	59.2	80.0	66.1	89.0	71.5	75.6	63.5
September 1992 .....	W	W	75.9	66.6	85.8	72.7	94.6	78.9	81.5	70.5
<b>West Virginia</b>										
September 1993 .....	W	-	72.7	59.6	82.8	66.0	88.7	71.8	77.2	63.1
August 1993 .....	W	-	74.2	62.0	83.7	68.5	90.3	74.4	78.6	65.4
September 1992 .....	W	W	80.0	70.6	89.5	75.9	96.5	82.5	84.3	73.8
<b>PAD District II Average</b>										
September 1993 .....	78.6	62.5	69.2	57.1	76.4	63.7	82.8	67.2	72.0	59.1
August 1993 .....	78.2	63.6	70.4	58.9	77.9	65.9	84.1	69.3	73.3	61.0
September 1992 .....	85.7	71.2	77.1	67.7	84.1	73.5	90.4	77.8	79.7	69.5
<b>Illinois</b>										
September 1993 .....	79.3	W	68.6	56.3	75.3	65.3	82.6	68.3	71.5	59.3
August 1993 .....	79.5	63.2	70.2	58.3	77.1	67.3	84.0	69.9	73.1	61.2
September 1992 .....	79.7	74.2	76.7	67.0	83.9	74.2	90.6	78.1	79.8	69.3
<b>Indiana</b>										
September 1993 .....	78.1	W	67.0	55.4	73.9	62.5	81.0	66.6	70.5	57.9
August 1993 .....	79.2	61.4	67.8	57.6	75.1	64.7	81.6	68.8	71.3	60.2
September 1992 .....	86.8	68.9	75.8	66.1	83.2	72.2	88.5	77.6	78.8	68.3
<b>Iowa</b>										
September 1993 .....	75.1	67.5	70.0	58.6	75.7	66.6	79.4	67.8	71.0	59.5
August 1993 .....	74.2	67.5	69.8	59.2	74.7	66.6	77.7	68.7	69.9	60.2
September 1992 .....	81.3	70.8	78.6	68.8	85.0	74.2	87.9	77.1	79.5	69.5
<b>Kansas</b>										
September 1993 .....	NA	NA	69.8	56.6	76.9	66.7	81.9	65.8	71.4	57.6
August 1993 .....	74.8	65.8	70.5	57.9	77.4	66.7	82.7	67.0	72.1	59.1
September 1992 .....	81.8	72.1	78.8	66.3	85.6	74.7	90.1	75.2	80.4	67.2
<b>Kentucky</b>										
September 1993 .....	76.3	W	69.2	56.5	78.3	61.5	85.8	68.0	73.8	59.6
August 1993 .....	84.9	W	71.2	59.2	80.2	65.7	89.2	70.9	75.8	62.3
September 1992 .....	86.9	78.0	76.3	68.3	84.3	73.6	91.2	79.5	80.1	71.1
<b>Michigan</b>										
September 1993 .....	80.3	60.9	67.8	57.0	75.6	63.0	81.9	67.3	70.9	59.2
August 1993 .....	79.5	62.7	68.9	59.3	77.1	65.3	82.3	69.5	72.0	61.5
September 1992 .....	88.1	73.3	75.6	68.8	83.3	73.5	90.3	79.2	78.4	70.8
<b>Minnesota</b>										
September 1993 .....	79.7	69.2	77.0	62.0	82.4	68.9	89.3	71.1	79.1	63.4
August 1993 .....	78.9	65.5	76.4	62.1	81.3	68.0	89.2	71.0	78.5	63.4
September 1992 .....	84.9	72.1	82.1	70.2	90.0	77.6	92.0	78.9	83.8	71.3
<b>Missouri</b>										
September 1993 .....	75.5	62.4	66.5	57.0	75.2	64.7	81.2	66.3	69.5	59.0
August 1993 .....	75.2	62.3	67.5	58.8	76.1	66.0	82.2	67.8	70.4	60.7
September 1992 .....	80.1	76.1	73.9	67.8	81.8	74.1	88.3	76.9	76.8	69.4

See footnotes at end of table.

**Table 28. Refiner/Reseller Motor Gasoline Prices by Grade,  
PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Nebraska</b>										
September 1993 .....	75.2	61.3	73.5	58.9	78.7	65.4	81.2	67.8	74.6	59.7
August 1993 .....	75.6	61.0	73.4	59.5	79.0	66.3	81.0	68.4	74.7	60.3
September 1992 .....	84.7	71.9	78.9	68.5	85.6	NA	89.6	77.8	80.7	70.2
<b>North Dakota</b>										
September 1993 .....	87.1	65.7	81.4	62.3	88.8	73.6	89.9	73.0	82.5	63.2
August 1993 .....	85.5	64.3	81.5	62.3	90.0	73.6	89.9	72.9	82.5	63.2
September 1992 .....	91.1	72.1	86.6	72.0	92.2	81.9	95.4	83.0	87.5	72.7
<b>Ohio</b>										
September 1993 .....	75.6	W	67.6	57.2	75.8	64.1	82.4	68.1	71.2	59.7
August 1993 .....	74.1	W	71.2	60.1	79.2	67.0	85.7	71.2	74.7	62.6
September 1992 .....	83.7	W	76.4	67.7	83.8	73.8	81.1	78.6	79.5	69.8
<b>Oklahoma</b>										
September 1993 .....	72.1	W	64.8	54.9	72.4	62.7	77.7	63.5	67.5	56.0
August 1993 .....	72.6	W	66.6	55.8	74.2	63.1	78.9	64.1	69.2	56.8
September 1992 .....	75.8	67.4	74.3	64.9	81.6	71.1	86.1	73.9	76.5	66.0
<b>South Dakota</b>										
September 1993 .....	84.7	69.1	80.1	63.2	85.0	77.9	88.8	75.0	81.4	64.5
August 1993 .....	85.6	65.9	79.8	62.7	84.1	72.5	88.9	73.3	81.1	64.0
September 1992 .....	91.1	74.9	86.0	71.9	85.4	74.0	98.4	81.1	87.0	72.6
<b>Tennessee</b>										
September 1993 .....	W	-	66.7	54.5	77.0	60.9	85.2	66.1	72.4	58.2
August 1993 .....	W	-	68.0	57.5	78.3	64.0	86.4	69.3	73.6	61.2
September 1992 .....	W	-	73.7	65.9	84.5	71.8	92.1	77.1	79.1	69.1
<b>Wisconsin</b>										
September 1993 .....	78.2	60.5	69.8	56.9	77.6	62.9	82.4	66.4	72.1	58.5
August 1993 .....	77.5	60.2	70.9	59.1	78.4	65.5	83.4	68.7	73.2	60.8
September 1992 .....	86.8	71.5	79.7	68.0	87.1	73.7	92.0	77.6	81.7	69.5
<b>PAD District III Average</b>										
September 1993 .....	80.3	66.5	69.7	54.9	78.9	61.1	86.6	65.1	74.3	57.4
August 1993 .....	81.6	67.6	71.0	56.8	80.1	63.6	87.9	67.7	75.5	59.3
September 1992 .....	86.4	73.9	76.5	64.1	84.6	71.1	91.8	75.7	80.5	66.4
<b>Alabama</b>										
September 1993 .....	W	W	69.4	55.5	77.9	61.7	87.5	67.2	74.7	59.0
August 1993 .....	W	-	71.1	57.9	80.0	63.9	89.0	69.6	76.4	61.3
September 1992 .....	W	-	77.0	66.5	85.2	72.2	93.4	78.0	81.2	69.5
<b>Arkansas</b>										
September 1993 .....	W	W	68.9	55.0	78.2	59.4	84.7	64.2	72.5	57.1
August 1993 .....	W	W	69.3	56.8	78.5	61.1	84.8	66.0	72.9	58.7
September 1992 .....	74.2	W	74.9	65.2	82.4	69.1	89.4	74.3	77.9	67.1
<b>Louisiana</b>										
September 1993 .....	77.4	-	69.8	54.8	80.4	61.9	87.5	67.1	75.7	58.6
August 1993 .....	76.7	-	70.2	56.1	81.2	64.4	88.6	69.6	76.2	59.9
September 1992 .....	84.9	-	75.9	65.1	85.1	72.0	90.7	77.8	80.4	68.4
<b>Mississippi</b>										
September 1993 .....	W	W	67.4	53.8	76.9	59.3	84.6	63.1	72.2	56.4
August 1993 .....	W	-	68.3	56.0	77.7	61.8	86.1	67.0	73.2	58.6
September 1992 .....	W	-	75.7	63.3	83.4	68.2	91.0	75.5	79.6	65.6
<b>New Mexico</b>										
September 1993 .....	85.1	69.1	82.3	67.6	87.5	72.0	94.5	76.7	84.0	68.8
August 1993 .....	85.8	68.1	83.9	67.3	88.4	73.7	95.9	77.1	85.5	68.7
September 1992 .....	88.6	76.2	88.2	74.9	94.6	78.5	100.2	83.9	89.4	75.9
<b>Texas</b>										
September 1993 .....	76.1	64.6	68.8	54.1	78.8	60.9	86.2	64.0	73.5	56.3
August 1993 .....	76.9	65.8	70.3	56.3	80.1	63.8	87.7	66.7	74.9	58.5
September 1992 .....	82.5	68.6	75.8	63.1	84.7	71.2	91.7	74.4	80.1	65.1
<b>PAD District IV Average</b>										
September 1993 .....	79.5	66.2	77.5	65.7	84.5	68.9	90.4	74.4	80.2	67.5
August 1993 .....	79.4	66.4	77.4	64.4	84.4	69.2	90.0	72.8	80.0	66.2
September 1992 .....	89.9	76.3	86.7	75.1	92.7	78.9	98.2	82.7	89.0	76.5
<b>Colorado</b>										
September 1993 .....	82.5	66.0	77.7	62.6	86.2	68.1	94.9	71.6	81.5	64.6
August 1993 .....	82.9	65.5	77.8	62.2	86.6	67.7	95.3	71.0	81.6	64.1
September 1992 .....	92.1	77.0	86.3	74.3	94.5	78.7	101.1	82.2	89.6	76.0

See footnotes at end of table.

**Table 28. Refiner/Reseller Motor Gasoline Prices by Grade,  
PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Idaho</b>										
September 1993 .....	76.7	69.2	75.7	68.6	85.3	70.4	84.7	77.5	77.0	69.8
August 1993 .....	76.5	68.0	75.8	67.8	NA	NA	84.3	76.3	77.0	69.2
September 1992 .....	87.4	76.9	86.5	76.7	86.4	W	96.5	85.8	87.4	77.6
<b>Montana</b>										
September 1993 .....	85.0	69.3	84.9	69.1	W	-	95.3	77.5	86.1	70.3
August 1993 .....	83.7	67.3	83.3	67.1	W	-	93.7	75.5	84.6	68.4
September 1992 .....	92.5	77.0	91.3	76.7	W	-	99.7	83.9	92.5	77.6
<b>Utah</b>										
September 1993 .....	75.9	66.0	73.5	65.8	79.2	70.8	84.9	74.1	76.5	67.8
August 1993 .....	76.1	63.1	73.5	63.3	77.6	69.5	83.9	71.5	76.1	65.3
September 1992 .....	85.2	73.6	82.5	73.4	86.2	79.5	91.2	81.0	84.6	74.9
<b>Wyoming</b>										
September 1993 .....	81.1	67.8	81.6	67.1	86.7	69.5	91.9	76.1	82.8	68.8
August 1993 .....	82.0	65.7	81.5	65.3	82.8	68.6	91.1	73.6	82.8	66.9
September 1992 .....	93.1	77.0	93.8	76.5	W	77.6	102.6	83.8	94.6	77.6
<b>PAD District V Average</b>										
September 1993 .....	77.5	69.4	79.1	68.1	82.5	74.3	96.3	81.9	81.9	71.3
August 1993 .....	77.7	67.5	79.0	66.2	82.7	73.1	95.8	80.7	81.9	69.5
September 1992 .....	83.2	75.0	86.4	74.6	91.1	82.1	101.8	89.5	88.9	77.9
<b>Alaska</b>										
September 1993 .....	97.1	83.6	101.3	77.9	-	-	106.7	88.5	101.7	79.1
August 1993 .....	97.2	84.6	100.7	78.0	-	-	107.8	87.4	101.3	79.1
September 1992 .....	106.4	89.1	112.1	84.9	-	-	103.1	93.1	110.3	85.9
<b>Arizona</b>										
September 1993 .....	80.4	73.5	84.0	73.5	87.9	76.3	100.0	86.3	85.9	75.4
August 1993 .....	80.2	71.4	83.7	72.6	87.0	76.5	99.4	84.9	85.5	74.3
September 1992 .....	81.6	74.3	84.7	74.3	89.0	81.1	100.7	86.2	86.2	76.1
<b>California</b>										
September 1993 .....	-	W	75.0	67.0	81.6	74.0	93.4	80.8	79.1	70.6
August 1993 .....	-	W	75.0	64.7	81.8	72.7	92.7	79.6	79.1	68.5
September 1992 .....	W	82.1	85.0	74.0	91.0	82.0	101.2	89.5	88.6	78.1
<b>Hawaii</b>										
September 1993 .....	-	-	100.4	90.9	102.7	97.0	116.0	104.1	104.8	96.2
August 1993 .....	-	-	99.7	90.8	102.3	97.1	116.4	104.1	104.3	96.0
September 1992 .....	-	-	97.1	90.4	103.8	96.6	112.7	103.6	102.0	95.5
<b>Nevada</b>										
September 1993 .....	80.3	69.2	81.7	67.7	83.5	72.5	99.1	81.1	84.5	70.2
August 1993 .....	83.4	65.0	80.2	66.1	83.2	71.5	98.7	79.3	83.4	68.8
September 1992 .....	91.4	79.2	85.9	73.0	86.3	77.6	101.7	86.4	88.4	75.5
<b>Oregon</b>										
September 1993 .....	80.3	69.6	84.2	69.3	W	W	99.9	82.9	85.1	71.1
August 1993 .....	80.2	67.5	83.8	68.2	W	W	99.7	83.2	84.8	70.0
September 1992 .....	86.2	75.2	91.7	75.4	W	W	108.5	89.4	91.9	77.0
<b>Washington</b>										
September 1993 .....	72.2	67.0	77.0	67.1	84.9	73.0	94.7	81.4	78.5	69.5
August 1993 .....	72.8	65.3	77.4	66.5	85.2	73.2	94.3	79.8	79.0	68.6
September 1992 .....	81.4	74.6	85.7	75.0	W	W	100.6	88.7	86.8	76.9

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 29. Refiner/Reseller Motor Gasoline Prices to End Users  
by Grade, PAD District, and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users
<b>U.S. Average</b>										
September 1993 .....	78.5	78.4	70.8	68.9	79.0	72.8	88.1	78.3	75.1	71.1
August 1993 .....	78.7	77.9	72.1	69.1	80.4	73.6	89.2	79.1	76.3	71.5
September 1992 .....	85.2	85.9	78.5	76.8	86.2	80.0	94.8	85.9	82.3	79.0
<b>PAD District I Average</b>										
September 1993 .....	73.9	74.2	68.7	63.0	79.4	70.2	88.6	75.6	74.7	66.8
August 1993 .....	73.5	74.1	70.5	65.0	81.0	72.0	90.2	77.4	76.5	68.8
September 1992 .....	79.3	83.5	76.8	72.5	86.8	78.3	95.6	84.3	82.0	75.9
<b>Subdistrict IA Average</b>										
September 1993 .....	-	W	72.6	59.0	82.4	65.4	91.0	70.8	78.2	62.8
August 1993 .....	-	W	74.4	62.2	84.0	68.8	92.6	74.1	79.9	66.2
September 1992 .....	-	84.5	82.9	72.8	92.3	77.0	100.5	82.1	87.9	75.6
<b>Connecticut</b>										
September 1993 .....	-	-	72.1	58.5	83.3	63.4	93.6	70.9	78.9	62.2
August 1993 .....	-	-	74.1	60.8	85.3	67.3	95.4	72.2	80.9	64.8
September 1992 .....	-	-	81.7	71.7	91.5	78.3	101.6	81.4	87.9	78.2
<b>Maine</b>										
September 1993 .....	-	-	79.0	65.3	88.0	73.5	95.7	75.6	83.1	69.8
August 1993 .....	-	-	79.9	67.9	88.9	75.6	96.5	78.8	84.1	72.4
September 1992 .....	-	-	85.4	78.1	96.6	81.5	101.7	88.1	89.4	80.5
<b>Massachusetts</b>										
September 1993 .....	-	-	70.0	55.6	80.7	61.3	89.6	67.4	76.2	59.2
August 1993 .....	-	-	72.1	59.4	82.3	65.4	91.3	70.4	78.2	62.7
September 1992 .....	-	W	82.0	68.6	91.6	74.9	100.2	79.0	87.3	72.4
<b>New Hampshire</b>										
September 1993 .....	-	-	73.5	62.8	85.3	69.6	92.6	74.3	78.8	65.7
August 1993 .....	-	-	75.1	63.4	86.0	71.2	94.1	78.6	80.3	69.2
September 1992 .....	-	-	83.6	79.3	93.9	75.4	102.0	89.8	88.4	80.3
<b>Rhode Island</b>										
September 1993 .....	-	W	68.9	58.6	76.0	67.7	82.8	74.6	73.9	64.2
August 1993 .....	-	NA	70.7	63.6	77.9	68.5	84.4	79.7	75.6	69.4
September 1992 .....	-	-	81.2	68.3	88.5	71.2	95.4	78.5	86.0	70.5
<b>Vermont</b>										
September 1993 .....	-	W	78.3	69.1	87.1	73.1	96.4	81.7	83.0	72.1
August 1993 .....	-	W	79.4	71.0	88.2	75.1	95.7	80.8	83.4	73.9
September 1992 .....	-	84.5	86.9	76.9	94.4	82.5	101.8	89.6	90.7	79.8
<b>Subdistrict IB Average</b>										
September 1993 .....	73.9	75.0	68.7	63.5	78.5	69.7	87.7	76.0	74.4	67.1
August 1993 .....	72.6	74.7	70.6	64.9	80.2	71.2	89.2	77.5	76.2	68.6
September 1992 .....	W	83.0	78.2	72.8	88.0	78.9	97.0	84.6	83.6	76.5
<b>Delaware</b>										
September 1993 .....	-	-	65.4	60.5	73.9	67.9	83.8	75.7	70.8	64.7
August 1993 .....	-	-	67.1	62.4	75.7	69.3	86.1	78.9	72.7	66.6
September 1992 .....	-	-	78.1	70.5	87.2	78.5	97.4	85.7	83.8	75.4
<b>District of Columbia</b>										
September 1993 .....	-	-	W	56.1	W	57.1	W	W	W	58.8
August 1993 .....	-	-	W	57.9	W	58.6	W	W	W	60.3
September 1992 .....	-	-	W	66.7	W	69.8	W	77.6	W	70.2
<b>Maryland</b>										
September 1993 .....	-	W	66.8	60.5	77.3	70.9	83.3	76.7	72.5	65.6
August 1993 .....	-	-	69.7	62.3	79.9	72.9	86.1	77.1	75.5	67.0
September 1992 .....	-	-	77.5	70.3	86.1	80.2	95.6	83.8	83.2	74.9
<b>New Jersey</b>										
September 1993 .....	-	W	70.4	60.2	85.8	67.9	93.6	72.8	79.6	64.8
August 1993 .....	-	W	71.4	61.7	86.6	69.3	94.8	74.2	80.6	66.4
September 1992 .....	-	W	81.3	71.6	93.7	79.4	102.0	83.0	89.4	76.8
<b>New York</b>										
September 1993 .....	NA	78.1	71.2	62.6	81.3	66.3	90.5	72.8	76.3	65.1
August 1993 .....	81.7	76.9	72.5	63.8	82.0	68.0	90.7	74.3	77.5	66.6
September 1992 .....	W	83.5	77.6	71.8	87.2	76.0	95.9	82.4	82.3	74.7
<b>Pennsylvania</b>										
September 1993 .....	W	73.6	66.2	67.2	75.4	72.7	83.0	81.2	71.3	70.9
August 1993 .....	W	71.7	68.7	68.7	77.8	74.4	85.4	83.1	73.7	72.4
September 1992 .....	-	82.2	77.9	75.7	88.7	80.8	95.2	89.9	82.6	79.2

See footnotes at end of table.

**Table 29. Refiner/Reseller Motor Gasoline Prices to End Users  
by Grade, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users
<b>Subdistrict IC Average</b>										
September 1993 .....	W	W	67.8	63.6	79.2	71.9	88.6	76.4	74.2	67.6
August 1993 .....	W	W	69.5	65.7	80.7	73.6	90.3	78.2	75.9	69.5
September 1992 .....	W	86.9	74.7	72.2	85.0	78.2	93.9	84.5	80.3	75.6
<b>Florida</b>										
September 1993 .....	-	-	69.7	63.7	82.4	68.4	91.2	75.6	76.8	66.9
August 1993 .....	-	-	71.7	66.7	84.0	71.1	92.8	76.7	78.6	69.6
September 1992 .....	W	-	76.0	73.3	87.2	76.0	94.9	82.8	82.1	76.0
<b>Georgia</b>										
September 1993 .....	W	-	66.5	66.0	77.1	70.0	86.7	80.1	72.8	69.7
August 1993 .....	W	-	68.1	66.7	78.5	70.4	88.1	81.8	74.3	70.5
September 1992 .....	W	-	73.1	72.4	83.4	77.4	93.2	83.2	78.9	75.5
<b>North Carolina</b>										
September 1993 .....	-	W	65.7	61.1	76.2	70.0	85.5	73.7	71.4	64.4
August 1993 .....	-	W	67.4	63.3	78.0	69.5	88.0	73.6	73.1	65.5
September 1992 .....	W	-	73.2	70.2	82.2	79.1	91.4	84.8	78.2	73.1
<b>South Carolina</b>										
September 1993 .....	-	-	64.2	63.8	76.1	NA	86.6	76.2	70.4	70.6
August 1993 .....	-	-	66.0	68.3	77.5	88.5	88.3	79.5	72.1	74.9
September 1992 .....	-	-	72.6	69.6	83.3	74.5	93.2	81.4	77.3	72.5
<b>Virginia</b>										
September 1993 .....	-	-	68.7	62.3	79.4	72.8	88.7	74.2	75.1	66.9
August 1993 .....	-	-	69.8	64.1	80.7	73.7	90.2	77.4	76.3	68.7
September 1992 .....	-	W	76.2	73.9	86.2	82.4	95.5	88.2	81.9	78.3
<b>West Virginia</b>										
September 1993 .....	-	W	73.7	64.8	84.2	72.4	90.3	77.9	78.3	68.8
August 1993 .....	-	W	75.2	65.5	84.9	72.2	91.9	79.0	79.7	69.2
September 1992 .....	-	W	80.6	74.6	90.7	79.7	98.1	87.0	85.1	78.0
<b>PAD District II Average</b>										
September 1993 .....	78.9	78.5	69.1	69.5	76.6	74.7	83.4	76.9	72.1	71.3
August 1993 .....	78.3	78.1	70.5	69.4	78.2	75.6	84.6	78.1	73.5	71.4
September 1992 .....	85.0	86.2	77.0	77.8	84.3	82.7	90.7	86.5	79.7	79.6
<b>Illinois</b>										
September 1993 .....	78.8	80.7	68.6	68.0	75.6	73.7	83.0	76.7	71.6	70.1
August 1993 .....	79.1	80.7	70.2	69.7	77.4	75.1	84.4	78.0	73.2	71.6
September 1992 .....	82.0	79.0	76.6	78.0	83.9	83.6	91.0	87.6	79.7	80.3
<b>Indiana</b>										
September 1993 .....	79.6	77.6	67.1	66.4	74.3	71.9	81.1	80.2	70.6	69.9
August 1993 .....	78.9	79.4	67.9	67.2	75.6	72.0	81.8	79.5	71.4	70.6
September 1992 .....	86.7	86.9	76.0	74.8	83.6	80.2	88.5	88.1	78.8	79.0
<b>Iowa</b>										
September 1993 .....	74.7	75.6	69.6	72.3	75.7	73.9	79.3	80.0	70.7	72.8
August 1993 .....	74.1	74.3	68.5	71.0	74.7	73.9	77.7	79.3	69.8	71.5
September 1992 .....	83.1	80.2	78.0	81.6	84.4	90.7	87.7	91.5	79.0	82.1
<b>Kansas</b>										
September 1993 .....	68.8	NA	69.6	71.1	77.0	74.0	82.4	75.5	71.4	71.7
August 1993 .....	72.1	W	70.4	70.7	77.5	77.0	83.3	75.9	72.2	71.4
September 1992 .....	81.0	82.0	78.6	81.0	85.4	89.4	90.5	84.2	80.3	81.6
<b>Kentucky</b>										
September 1993 .....	W	W	70.0	64.4	79.7	72.4	87.2	77.6	74.8	69.4
August 1993 .....	W	W	72.0	65.4	81.6	72.8	89.5	79.0	76.8	69.3
September 1992 .....	W	W	76.8	70.7	85.0	80.1	92.0	85.6	80.6	75.6
<b>Michigan</b>										
September 1993 .....	79.6	80.8	67.9	66.8	75.9	72.3	82.5	73.6	71.1	68.9
August 1993 .....	80.3	78.6	69.0	67.6	77.3	74.4	82.8	74.2	72.2	69.5
September 1992 .....	87.2	89.0	75.6	75.9	83.4	82.3	90.7	85.1	78.4	78.8
<b>Minnesota</b>										
September 1993 .....	80.3	78.0	77.1	76.3	82.2	83.1	89.9	80.8	79.3	77.9
August 1993 .....	79.7	76.9	77.1	72.4	81.7	80.0	89.7	81.2	79.2	74.5
September 1992 .....	84.0	86.6	82.1	81.8	90.7	87.2	92.1	90.6	83.9	83.3
<b>Missouri</b>										
September 1993 .....	76.1	74.7	66.4	67.0	75.6	72.8	82.1	NA	69.7	68.6
August 1993 .....	75.0	75.5	67.8	65.1	76.6	72.9	82.8	74.6	70.9	67.0
September 1992 .....	79.8	81.5	73.6	77.5	81.5	84.0	88.1	93.4	76.5	79.5

See footnotes at end of table.

**Table 29. Refiner/Reseller Motor Gasoline Prices to End Users  
by Grade, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users
<b>Nebraska</b>										
September 1993 .....	77.3	73.2	73.7	72.8	79.0	76.9	82.1	73.6	75.0	73.1
August 1993 .....	78.6	70.1	73.7	71.9	79.0	79.1	81.7	73.4	75.1	72.7
September 1992 .....	86.2	79.8	79.4	75.5	86.3	W	89.5	W	81.2	77.6
<b>North Dakota</b>										
September 1993 .....	87.3	87.0	81.7	80.9	91.0	79.6	90.3	88.5	83.0	81.9
August 1993 .....	85.7	85.4	83.2	78.8	91.5	W	90.2	88.8	84.2	79.8
September 1992 .....	92.2	90.3	87.3	85.8	93.4	91.7	96.1	94.1	88.3	86.6
<b>Ohio</b>										
September 1993 .....	77.1	73.6	67.6	67.6	75.8	75.6	82.6	79.7	71.2	71.2
August 1993 .....	72.6	W	71.3	69.8	79.6	76.4	86.0	82.7	74.8	73.0
September 1992 .....	82.4	84.6	76.7	73.8	84.2	80.7	91.8	82.9	79.8	76.3
<b>Oklahoma</b>										
September 1993 .....	72.1	-	65.0	62.2	72.8	62.9	78.8	66.2	67.9	63.0
August 1993 .....	72.6	-	67.0	62.3	74.5	64.2	80.0	66.2	69.7	63.0
September 1992 .....	76.0	73.4	74.5	70.9	81.8	72.7	87.0	76.0	76.9	71.8
<b>South Dakota</b>										
September 1993 .....	84.9	79.5	80.7	77.4	84.6	86.9	91.4	85.0	81.8	79.6
August 1993 .....	85.7	81.6	80.8	75.0	83.9	85.0	91.5	83.3	82.0	77.1
September 1992 .....	91.3	90.4	85.6	87.3	83.5	94.2	98.4	98.4	86.5	88.8
<b>Tennessee</b>										
September 1993 .....	W	-	67.2	60.2	77.8	65.5	86.3	70.7	73.1	63.2
August 1993 .....	W	-	68.4	61.7	79.0	68.1	87.4	72.2	74.2	64.9
September 1992 .....	W	-	74.1	69.5	85.0	75.9	92.7	83.3	79.6	72.7
<b>Wisconsin</b>										
September 1993 .....	76.8	78.0	69.5	71.6	77.1	84.0	82.4	81.8	71.9	73.4
August 1993 .....	77.8	77.4	70.6	73.1	77.6	85.4	83.5	82.6	72.9	75.3
September 1992 .....	85.3	88.1	79.8	79.8	87.8	84.0	92.1	90.0	81.8	80.9
<b>PAD District III Average</b>										
September 1993 .....	80.8	NA	70.1	66.0	79.7	68.9	87.9	74.1	75.0	67.8
August 1993 .....	81.9	77.9	71.5	66.4	80.9	69.3	89.2	75.0	76.3	68.3
September 1992 .....	86.6	85.5	76.9	73.9	85.5	76.1	92.9	81.6	81.1	75.6
<b>Alabama</b>										
September 1993 .....	W	-	70.1	62.9	78.9	67.9	89.1	73.4	75.7	65.8
August 1993 .....	W	-	72.1	63.1	81.0	68.1	90.8	74.0	77.5	66.1
September 1992 .....	W	-	77.4	74.3	88.2	78.7	95.1	85.1	81.9	77.3
<b>Arkansas</b>										
September 1993 .....	W	-	70.0	64.1	79.8	68.7	87.9	72.2	73.9	65.9
August 1993 .....	W	-	70.7	62.5	80.6	68.6	89.1	69.7	74.7	64.4
September 1992 .....	74.6	W	75.0	73.5	82.9	77.3	90.3	82.5	78.2	75.1
<b>Louisiana</b>										
September 1993 .....	77.4	-	70.5	64.3	81.8	69.9	89.5	74.7	76.7	67.9
August 1993 .....	76.7	-	70.9	64.1	82.0	72.2	90.3	76.7	77.1	68.5
September 1992 .....	W	W	76.1	73.6	85.5	78.3	92.3	79.8	80.9	75.8
<b>Mississippi</b>										
September 1993 .....	W	NA	67.9	64.2	77.6	68.8	86.0	75.8	72.9	67.0
August 1993 .....	W	-	68.6	66.1	78.3	71.6	87.1	77.5	73.7	68.9
September 1992 .....	W	-	75.9	74.8	83.9	79.1	91.8	86.4	80.0	77.3
<b>New Mexico</b>										
September 1993 .....	85.3	81.9	82.9	77.6	88.7	82.9	96.0	86.8	84.6	79.4
August 1993 .....	86.2	79.6	84.5	79.7	89.9	81.5	97.6	85.3	86.2	80.5
September 1992 .....	89.1	86.2	89.0	82.5	94.8	87.2	101.2	93.4	90.2	84.1
<b>Texas</b>										
September 1993 .....	76.2	70.9	69.0	66.6	79.4	67.1	87.1	72.3	74.0	67.4
August 1993 .....	77.0	76.2	70.7	67.0	80.7	67.5	88.4	74.5	75.5	68.1
September 1992 .....	82.5	80.0	76.2	72.7	85.7	74.4	92.8	78.5	80.8	73.8
<b>PAD District IV Average</b>										
September 1993 .....	80.2	78.3	77.7	76.7	85.0	68.8	91.0	83.7	80.7	77.5
August 1993 .....	80.2	77.5	77.8	75.5	85.0	68.2	90.8	83.1	80.6	76.5
September 1992 .....	90.8	87.9	87.1	84.8	92.9	83.7	99.4	91.4	89.8	86.2
<b>Colorado</b>										
September 1993 .....	85.0	77.9	78.2	73.1	86.9	67.3	95.6	82.3	82.2	74.2
August 1993 .....	84.3	78.8	78.2	73.4	87.6	66.1	96.3	81.4	82.3	74.2
September 1992 .....	93.0	89.6	86.7	83.4	94.8	80.6	102.8	89.8	90.1	85.2

See footnotes at end of table.

**Table 29. Refiner/Reseller Motor Gasoline Prices to End Users  
by Grade, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium		Motor Gasoline Average	
	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users	Through Company Outlets	Other End Users
<b>Idaho</b>										
September 1993 .....	75.5	79.1	75.3	77.1	85.3	-	84.5	86.7	76.6	78.2
August 1993 .....	75.9	77.9	75.8	78.1	NA	W	83.8	86.8	76.9	77.4
September 1992 .....	88.1	88.5	87.8	83.8	W	91.5	98.1	93.5	88.6	85.3
<b>Montana</b>										
September 1993 .....	87.0	82.4	86.7	81.9	W	W	97.1	88.2	88.2	82.5
August 1993 .....	85.1	81.2	85.0	79.7	W	W	94.7	89.2	86.4	80.8
September 1992 .....	94.4	90.3	93.0	87.7	W	W	99.8	99.3	94.1	89.3
<b>Utah</b>										
September 1993 .....	77.3	71.8	73.8	71.6	79.2	-	85.4	79.4	77.0	73.1
August 1993 .....	77.1	72.6	73.8	70.8	77.6	-	84.4	78.7	76.5	72.6
September 1992 .....	86.0	80.9	82.7	80.9	86.1	W	91.7	86.5	84.9	82.1
<b>Wyoming</b>										
September 1993 .....	83.1	75.5	81.8	80.8	86.7	W	92.2	89.9	83.4	80.6
August 1993 .....	84.4	72.6	82.6	76.6	83.0	W	92.1	84.1	84.1	76.6
September 1992 .....	94.7	89.1	94.6	90.5	W	-	104.2	98.8	95.7	90.8
<b>PAD District V Average</b>										
September 1993 .....	77.2	79.3	79.6	76.2	82.7	80.7	97.5	89.4	82.5	76.7
August 1993 .....	77.5	78.7	79.9	74.5	83.3	78.9	97.3	87.2	82.8	77.0
September 1992 .....	83.3	83.2	87.2	81.5	91.9	84.5	103.1	92.5	89.7	83.3
<b>Alaska</b>										
September 1993 .....	97.5	94.0	103.9	93.8	-	-	109.1	92.0	104.2	93.8
August 1993 .....	97.5	95.2	103.4	93.3	-	-	110.6	89.9	104.0	93.2
September 1992 .....	104.4	119.6	114.1	105.3	-	-	112.4	90.5	113.0	102.1
<b>Arizona</b>										
September 1993 .....	80.5	78.3	84.9	73.9	89.5	W	100.8	79.3	86.7	74.6
August 1993 .....	80.3	77.1	84.7	71.1	88.8	W	100.0	81.5	86.4	72.4
September 1992 .....	82.2	76.4	85.7	77.8	89.0	-	101.6	89.9	87.1	78.6
<b>California</b>										
September 1993 .....	-	-	75.1	74.6	81.6	81.2	94.3	89.0	79.4	77.8
August 1993 .....	-	-	75.5	72.6	82.2	79.3	94.1	86.2	79.8	75.7
September 1992 .....	W	W	85.8	79.7	91.9	84.0	102.5	92.2	89.8	82.2
<b>Hawaii</b>										
September 1993 .....	-	-	107.1	81.0	111.4	78.8	124.7	94.1	112.1	84.5
August 1993 .....	-	-	107.2	80.4	111.4	78.7	125.0	94.1	112.2	83.8
September 1992 .....	-	-	102.6	86.6	114.9	83.4	120.0	94.6	108.9	88.1
<b>Nevada</b>										
September 1993 .....	78.6	82.2	83.4	72.5	84.2	74.4	100.4	83.0	86.2	73.7
August 1993 .....	82.0	NA	81.8	71.5	84.0	73.5	99.8	82.1	85.0	72.7
September 1992 .....	88.5	99.5	86.9	79.7	86.7	78.0	102.6	85.1	89.5	80.1
<b>Oregon</b>										
September 1993 .....	80.6	79.2	85.0	80.2	W	-	100.9	93.7	85.9	81.2
August 1993 .....	80.6	78.6	84.7	78.0	W	-	100.9	92.7	85.8	80.0
September 1992 .....	86.0	87.0	92.6	88.3	W	-	107.5	97.6	92.6	87.4
<b>Washington</b>										
September 1993 .....	71.4	79.2	77.0	77.1	84.9	W	95.3	89.0	78.4	78.8
August 1993 .....	72.2	78.3	77.7	75.0	84.8	W	95.1	86.4	79.2	76.9
September 1992 .....	81.1	83.4	86.1	82.6	-	W	101.1	94.8	87.1	84.4

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 30. Refiner/Reseller Total Motor Gasoline Prices  
by Seller, PAD District, and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
U.S. Average												
September 1993 .....	76.2	62.0	62.9	73.6	60.9	58.3	75.5	61.7	61.5	74.8	72.5	62.9
August 1993 .....	77.6	63.1	64.4	74.6	63.2	57.7	76.8	63.1	62.9	76.0	72.7	64.1
September 1992 .....	83.2	71.9	72.3	81.5	74.2	66.2	82.8	72.5	71.0	82.0	80.0	71.9
PAD District I Average												
September 1993 .....	76.5	57.7	62.0	72.7	59.8	54.1	75.8	58.4	61.2	74.2	68.6	61.5
August 1993 .....	77.9	59.8	64.4	74.1	62.4	56.9	77.2	60.7	63.7	76.1	70.4	63.8
September 1992 .....	82.0	69.5	72.2	80.0	70.7	65.3	81.6	70.0	71.5	82.3	77.2	72.3
Subdistrict IA Average												
September 1993 .....	81.1	57.1	63.1	-	W	53.7	81.1	56.2	62.4	77.8	64.5	61.4
August 1993 .....	82.6	59.5	65.5	-	W	57.7	82.6	58.9	65.2	79.5	68.1	64.2
September 1992 .....	90.0	70.1	75.1	-	W	66.8	90.0	69.4	74.6	87.6	76.9	73.3
Connecticut												
September 1993 .....	W	59.6	64.7	-	W	W	W	56.6	64.2	78.1	63.6	65.2
August 1993 .....	W	62.7	66.3	-	W	W	W	61.2	66.0	80.1	65.6	67.6
September 1992 .....	W	71.8	74.9	-	W	W	W	70.8	74.8	87.4	78.2	73.3
Maine												
September 1993 .....	-	W	56.7	-	W	W	-	53.6	56.6	83.1	70.9	60.8
August 1993 .....	-	W	60.0	-	W	W	-	57.1	59.8	84.1	73.6	65.6
September 1992 .....	-	71.3	71.4	-	W	W	-	71.3	71.3	89.4	81.4	72.2
Massachusetts												
September 1993 .....	80.6	56.8	63.5	-	W	W	80.6	56.3	62.7	75.4	60.2	58.5
August 1993 .....	82.5	58.6	67.0	-	W	W	82.5	58.5	66.6	77.3	64.4	60.2
September 1992 .....	90.8	68.5	76.1	-	W	W	90.8	68.3	75.8	86.5	73.4	71.4
New Hampshire												
September 1993 .....	79.7	W	63.9	-	W	W	79.7	57.6	63.3	78.6	70.2	65.9
August 1993 .....	81.9	W	65.1	-	W	W	81.9	W	64.7	80.0	73.6	68.3
September 1992 .....	W	70.8	74.8	-	W	W	W	70.0	74.2	88.6	81.5	77.0
Rhode Island												
September 1993 .....	W	W	63.2	-	W	W	77.0	54.4	61.8	73.2	70.6	56.2
August 1993 .....	W	W	64.7	-	W	W	77.8	58.5	64.0	75.1	73.2	60.4
September 1992 .....	86.6	W	75.8	-	W	W	86.6	70.4	73.6	85.9	70.5	72.1
Vermont												
September 1993 .....	-	W	W	-	W	W	-	W	65.0	83.0	72.7	70.4
August 1993 .....	-	-	W	-	W	W	-	W	66.3	83.4	74.0	72.0
September 1992 .....	-	W	W	-	W	W	-	W	75.6	90.7	80.2	81.0
Subdistrict IB Average												
September 1993 .....	76.7	W	63.4	73.7	62.5	55.1	76.1	59.5	62.7	73.2	68.8	60.6
August 1993 .....	77.9	W	65.4	75.2	64.5	58.2	77.4	61.7	64.7	75.4	70.1	62.5
September 1992 .....	84.4	W	73.6	80.5	71.8	66.8	83.7	71.6	73.0	83.4	77.4	71.7
Delaware												
September 1993 .....	W	W	60.7	-	-	W	W	W	60.6	69.9	65.9	62.4
August 1993 .....	W	57.9	62.3	-	-	W	W	57.9	61.4	71.8	68.0	64.3
September 1992 .....	W	W	W	-	-	63.0	W	W	71.5	83.3	76.6	72.2
District of Columbia												
September 1993 .....	-	W	71.1	-	-	W	-	W	71.0	W	W	60.3
August 1993 .....	-	W	73.9	-	-	-	-	W	73.9	W	61.8	60.7
September 1992 .....	-	W	82.5	-	-	W	-	W	82.2	W	71.2	68.5
Maryland												
September 1993 .....	-	56.4	64.1	-	W	W	-	56.3	64.2	72.5	67.4	62.0
August 1993 .....	-	57.8	W	NA	W	W	NA	57.8	65.8	75.5	68.8	63.6
September 1992 .....	-	69.3	74.9	W	W	75.4	W	68.8	74.9	83.2	75.7	73.8
New Jersey												
September 1993 .....	81.8	56.5	64.3	W	W	61.8	81.4	57.3	63.3	76.7	68.5	57.0
August 1993 .....	82.8	59.0	66.4	W	W	55.9	82.4	59.6	65.4	77.6	69.8	57.9
September 1992 .....	91.1	71.5	73.0	W	W	64.0	90.8	70.4	72.3	87.1	78.6	68.6
New York												
September 1993 .....	76.6	60.0	66.5	W	W	54.5	74.9	59.3	65.5	77.2	68.1	60.6
August 1993 .....	77.7	62.2	67.9	W	W	57.5	76.0	61.8	66.8	78.5	67.2	64.2
September 1992 .....	82.4	72.4	75.3	W	W	65.4	80.8	70.8	74.4	83.5	75.2	72.9
Pennsylvania												
September 1993 .....	73.4	57.8	59.3	78.5	66.0	53.6	74.4	62.7	58.6	89.3	72.8	63.6
August 1993 .....	74.9	60.5	61.8	79.9	67.4	58.1	75.9	65.0	61.4	72.2	74.2	65.4
September 1992 .....	82.2	72.7	71.8	85.2	73.8	66.3	82.8	73.5	71.2	82.4	80.8	73.5

See footnotes at end of table.

**Table 30. Refiner/Reseller Total Motor Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Subdistrict IC Average</b>												
September 1993 .....	75.9	57.8	60.4	72.1	59.3	53.4	75.2	58.1	59.6	73.7	69.2	62.2
August 1993 .....	77.3	59.9	63.1	73.4	62.7	55.7	76.7	60.4	62.3	75.5	71.1	64.6
September 1992 .....	79.9	68.6	69.8	79.6	69.5	64.1	79.9	68.8	69.1	80.5	77.0	72.3
<b>Florida</b>												
September 1993 .....	78.9	56.6	65.4	74.0	W	55.1	78.4	56.7	64.2	75.6	69.7	63.3
August 1993 .....	80.5	59.2	67.9	75.6	W	56.3	80.0	59.4	66.6	77.5	72.1	66.5
September 1992 .....	80.8	68.5	71.8	80.9	W	64.6	80.8	68.3	70.9	83.2	78.6	73.0
<b>Georgia</b>												
September 1993 .....	72.2	58.1	58.0	70.4	-	62.5	72.0	58.1	57.3	73.1	71.5	60.2
August 1993 .....	73.4	59.3	61.1	72.0	W	55.2	73.2	59.3	60.3	74.8	72.1	63.4
September 1992 .....	76.1	69.0	68.6	75.6	-	63.7	76.1	69.0	67.9	80.5	78.7	72.7
<b>North Carolina</b>												
September 1993 .....	70.9	55.0	56.4	W	W	52.4	70.4	55.0	56.1	71.6	65.0	62.8
August 1993 .....	73.0	58.4	59.4	W	W	55.6	72.2	58.4	59.1	73.3	68.0	64.6
September 1992 .....	78.5	64.8	67.6	W	-	63.3	77.7	64.8	67.2	78.3	74.3	71.6
<b>South Carolina</b>												
September 1993 .....	67.8	57.0	W	W	W	52.2	67.5	56.9	55.7	71.9	71.7	59.9
August 1993 .....	69.4	60.0	59.3	W	-	55.0	69.2	60.0	58.7	73.7	76.1	62.6
September 1992 .....	75.1	67.5	67.8	W	-	63.0	74.9	67.5	67.3	78.8	73.7	71.0
<b>Virginia</b>												
September 1993 .....	81.8	57.7	61.2	W	56.4	52.6	78.9	57.5	60.4	74.6	68.4	63.7
August 1993 .....	82.9	59.5	63.7	W	59.1	55.9	78.0	59.4	62.9	75.8	70.1	66.2
September 1992 .....	86.5	71.0	70.8	W	W	64.4	84.7	69.8	70.1	80.8	79.0	72.9
<b>West Virginia</b>												
September 1993 .....	82.9	68.3	60.1	W	W	W	81.4	67.1	59.2	74.2	69.7	67.5
August 1993 .....	83.3	70.7	63.1	W	W	56.5	81.8	69.0	61.8	76.9	69.3	69.9
September 1992 .....	88.7	79.2	72.0	W	W	66.7	86.4	77.4	71.1	83.1	78.4	77.4
<b>PAD District II Average</b>												
September 1993 .....	72.3	62.0	58.9	69.4	58.8	55.7	71.5	61.8	58.0	72.6	72.5	62.1
August 1993 .....	74.5	63.2	61.0	70.3	61.1	57.4	73.3	63.1	60.1	73.6	72.6	63.6
September 1992 .....	80.7	72.0	69.6	77.7	70.3	66.4	79.8	71.9	68.7	79.6	80.6	71.5
<b>Illinois</b>												
September 1993 .....	71.9	58.1	59.5	W	W	54.8	70.9	57.9	58.7	72.1	71.0	60.9
August 1993 .....	74.4	59.6	61.8	W	W	57.1	73.0	59.5	61.0	73.4	72.6	61.9
September 1992 .....	80.2	68.1	68.9	W	W	66.5	79.3	68.1	68.6	80.0	80.9	72.3
<b>Indiana</b>												
September 1993 .....	70.1	56.0	57.6	W	W	54.4	69.3	56.0	57.0	71.5	70.5	60.6
August 1993 .....	70.9	57.8	59.7	W	W	57.3	70.1	57.7	59.3	72.5	71.1	62.8
September 1992 .....	79.5	68.3	68.8	W	W	64.4	78.5	68.3	67.8	79.0	79.4	70.3
<b>Iowa</b>												
September 1993 .....	70.8	W	60.1	69.1	-	58.7	69.5	W	58.6	70.9	73.0	61.6
August 1993 .....	69.4	W	60.8	67.9	-	57.7	68.3	W	59.3	69.8	71.7	62.3
September 1992 .....	80.8	W	70.3	78.2	-	67.2	78.8	W	69.0	79.1	82.2	71.1
<b>Kansas</b>												
September 1993 .....	70.8	59.4	59.0	69.1	W	55.4	69.8	58.9	56.4	72.0	73.2	61.5
August 1993 .....	71.2	W	60.1	68.1	W	57.0	70.0	59.5	58.0	73.1	72.7	63.2
September 1992 .....	81.0	W	69.3	77.8	W	65.4	79.2	69.2	66.6	80.7	82.0	70.9
<b>Kentucky</b>												
September 1993 .....	75.9	62.8	58.2	73.0	-	54.6	75.7	62.8	58.0	74.3	69.4	63.9
August 1993 .....	78.4	65.5	61.3	74.7	-	55.9	78.1	65.5	60.8	76.0	70.1	66.2
September 1992 .....	81.9	75.2	70.1	79.0	-	64.6	81.5	75.2	69.6	80.0	75.7	74.1
<b>Michigan</b>												
September 1993 .....	70.6	62.2	59.0	W	W	55.0	69.7	62.1	58.4	72.8	71.8	62.2
August 1993 .....	71.5	63.3	61.1	W	W	57.6	70.5	63.2	60.6	74.4	72.1	64.6
September 1992 .....	78.6	70.5	70.7	W	-	66.4	77.6	70.5	70.3	79.2	81.3	72.6
<b>Minnesota</b>												
September 1993 .....	78.0	61.8	62.9	79.4	W	59.6	78.3	61.7	61.6	80.0	78.8	66.3
August 1993 .....	78.0	61.5	63.6	79.1	W	60.2	78.2	61.6	62.3	79.8	74.9	65.4
September 1992 .....	83.7	69.6	71.8	86.5	W	68.8	84.4	69.2	70.6	83.6	83.6	73.2
<b>Missouri</b>												
September 1993 .....	71.1	W	59.3	68.0	W	54.5	69.6	59.9	57.6	69.7	69.2	61.1
August 1993 .....	72.7	W	61.0	68.5	W	57.5	70.7	W	60.1	70.9	67.4	61.7
September 1992 .....	80.0	69.3	70.2	76.4	W	65.6	78.5	69.3	68.5	75.7	80.4	70.9

See footnotes at end of table.

**Table 30. Refiner/Reseller Total Motor Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Nebraska</b>												
September 1993 .....	W	W	60.0	72.3	W	57.4	74.0	57.7	58.7	75.2	73.6	62.2
August 1993 .....	W	W	60.7	71.7	W	58.0	73.5	58.4	59.3	75.4	73.2	62.7
September 1992 .....	W	W	70.7	79.4	-	68.1	80.6	W	69.4	81.3	77.7	72.1
<b>North Dakota</b>												
September 1993 .....	83.7	63.3	64.7	NA	-	60.3	83.6	63.3	62.4	82.9	82.0	65.5
August 1993 .....	84.6	W	65.4	-	-	60.1	84.6	W	62.4	84.2	80.0	65.1
September 1992 .....	89.9	W	74.2	W	-	70.6	89.5	W	72.2	88.2	86.6	73.7
<b>Ohio</b>												
September 1993 .....	72.0	64.7	59.4	W	W	55.1	71.5	64.8	59.2	70.4	75.1	61.7
August 1993 .....	76.0	66.1	62.4	W	W	57.8	75.4	66.2	62.0	73.1	76.9	64.6
September 1992 .....	80.8	74.7	70.2	W	W	68.7	80.4	74.8	70.0	78.6	77.1	69.4
<b>Oklahoma</b>												
September 1993 .....	68.0	57.5	55.9	67.8	W	64.5	68.0	57.4	55.1	67.8	64.8	59.6
August 1993 .....	70.8	58.0	56.4	69.3	W	55.6	70.3	57.9	56.0	69.3	65.2	60.3
September 1992 .....	79.6	67.5	66.1	77.5	W	64.4	79.0	67.5	65.3	75.8	73.2	68.2
<b>South Dakota</b>												
September 1993 .....	W	W	63.8	W	W	60.8	76.4	62.1	62.5	82.0	79.8	69.5
August 1993 .....	W	W	63.6	W	W	60.7	76.5	58.3	62.3	82.2	77.2	67.7
September 1992 .....	W	W	72.9	W	NA	70.2	W	W	71.6	86.6	88.9	75.4
<b>Tennessee</b>												
September 1993 .....	75.5	57.6	57.1	72.0	53.5	52.8	74.3	56.8	56.5	72.3	64.1	63.0
August 1993 .....	77.1	60.1	60.2	73.5	55.7	55.7	75.8	59.2	59.5	73.0	65.7	66.3
September 1992 .....	81.4	67.2	68.5	79.6	65.2	63.5	80.8	66.7	67.6	78.5	73.5	72.7
<b>Wisconsin</b>												
September 1993 .....	70.2	57.6	58.2	W	W	55.4	70.0	57.0	57.3	72.5	73.9	60.8
August 1993 .....	71.6	59.2	60.5	W	W	57.5	71.4	61.0	59.5	73.4	75.7	63.2
September 1992 .....	82.0	70.1	70.1	W	W	67.3	80.8	68.9	69.2	82.4	81.1	70.3
<b>PAD District III Average</b>												
September 1993 .....	77.9	59.4	58.3	74.0	51.7	52.5	76.6	57.0	56.0	74.2	69.2	61.1
August 1993 .....	79.3	60.9	60.4	75.6	55.8	54.7	77.8	59.2	58.2	75.4	69.3	62.3
September 1992 .....	82.9	67.8	66.7	81.0	66.1	63.1	82.2	67.3	65.5	80.3	76.4	68.9
<b>Alabama</b>												
September 1993 .....	75.6	55.3	56.8	72.0	W	52.7	74.7	55.3	56.0	75.9	67.4	68.0
August 1993 .....	77.2	57.5	59.7	73.3	W	55.7	76.4	57.5	59.0	77.8	67.2	68.6
September 1992 .....	81.8	67.0	67.8	79.7	W	63.4	81.3	66.9	66.9	82.1	78.3	77.4
<b>Arkansas</b>												
September 1993 .....	75.1	W	56.8	W	W	53.2	73.6	55.7	55.2	74.0	68.0	61.0
August 1993 .....	78.2	W	59.0	W	W	54.9	75.3	57.3	57.3	74.5	64.5	61.3
September 1992 .....	85.0	69.1	67.6	W	W	64.2	80.7	68.5	66.4	77.4	75.4	68.6
<b>Louisiana</b>												
September 1993 .....	79.8	55.9	59.8	74.7	57.9	52.1	78.9	56.0	57.3	75.9	69.2	64.8
August 1993 .....	80.3	57.5	60.8	78.4	62.6	54.4	79.5	57.7	58.7	76.2	69.8	65.8
September 1992 .....	84.2	66.6	67.5	81.3	70.0	63.6	83.7	66.8	66.5	79.2	77.0	75.9
<b>Mississippi</b>												
September 1993 .....	W	56.1	55.3	73.7	52.2	52.6	73.4	54.8	54.6	72.9	68.1	62.1
August 1993 .....	W	58.0	58.5	76.1	55.2	54.4	75.0	56.3	57.2	73.6	69.7	63.6
September 1992 .....	W	66.0	64.8	80.2	63.6	62.6	79.6	64.7	64.2	80.0	78.0	70.0
<b>New Mexico</b>												
September 1993 .....	85.4	73.8	68.8	90.6	70.0	64.8	89.1	73.2	67.2	82.8	80.0	74.1
August 1993 .....	85.4	74.9	69.2	90.3	69.8	64.3	88.9	73.9	67.1	85.0	81.1	74.2
September 1992 .....	90.5	W	76.0	93.3	74.7	73.2	92.4	75.9	74.8	89.2	84.8	81.4
<b>Texas</b>												
September 1993 .....	77.8	61.4	58.4	72.5	W	51.7	75.8	56.5	55.3	72.2	69.6	59.0
August 1993 .....	79.3	61.9	60.4	74.4	55.1	54.1	77.3	58.9	57.5	73.6	69.6	60.6
September 1992 .....	82.7	67.7	66.0	80.1	65.6	62.3	81.7	67.1	64.5	79.6	74.5	66.5
<b>PAD District IV Average</b>												
September 1993 .....	80.5	65.8	67.4	81.5	69.2	64.9	81.0	67.0	66.5	80.5	78.1	69.9
August 1993 .....	80.6	64.8	65.9	81.6	65.7	64.0	81.1	65.2	65.2	80.4	76.9	68.8
September 1992 .....	89.1	76.9	76.5	90.5	82.2	74.4	89.7	80.3	75.6	89.5	86.6	79.4

See footnotes at end of table.

**Table 30. Refiner/Reseller Total Motor Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Colorado</b>												
September 1993 .....	81.9	W	65.5	81.7	W	60.9	81.8	W	63.6	82.9	74.5	66.4
August 1993 .....	83.0	W	64.9	81.9	W	60.9	82.4	W	63.3	82.1	74.6	66.0
September 1992 .....	90.0	W	77.6	90.5	W	73.0	90.2	74.4	75.4	90.0	85.6	78.2
<b>Idaho</b>												
September 1993 .....	-	W	68.7	W	-	67.8	W	W	68.4	76.5	78.3	74.3
August 1993 .....	-	W	67.7	W	-	66.8	W	W	67.4	76.8	77.5	74.2
September 1992 .....	W	W	76.7	W	-	75.9	91.0	W	76.4	88.5	85.4	80.8
<b>Montana</b>												
September 1993 .....	-	W	69.7	W	NA	68.8	W	NA	69.4	88.2	82.8	72.9
August 1993 .....	-	W	68.3	W	NA	67.7	W	NA	68.1	86.5	81.3	69.4
September 1992 .....	W	W	76.7	W	103.3	76.6	W	102.8	76.6	93.6	88.6	76.9
<b>Utah</b>												
September 1993 .....	77.4	W	67.1	W	W	65.6	77.4	66.3	66.6	76.8	74.9	71.3
August 1993 .....	75.1	64.4	64.4	W	W	63.6	75.0	64.2	64.2	77.1	73.7	68.7
September 1992 .....	85.0	W	74.8	W	W	73.4	85.0	75.5	74.4	84.8	83.5	76.2
<b>Wyoming</b>												
September 1993 .....	W	W	68.4	81.4	W	66.7	80.2	70.9	67.5	84.0	81.0	72.2
August 1993 .....	W	71.1	66.2	81.5	W	64.8	80.3	70.3	65.6	84.9	76.9	70.5
September 1992 .....	W	82.9	76.8	93.5	W	76.2	91.8	78.6	78.5	96.5	91.6	80.6
<b>PAD District V Average</b>												
September 1993 .....	81.4	72.0	72.8	80.3	76.0	65.0	81.1	72.8	71.4	84.6	79.5	70.5
August 1993 .....	81.9	70.2	71.2	80.6	74.3	63.0	81.5	71.1	69.8	84.5	77.8	67.7
September 1992 .....	89.3	76.1	80.1	89.3	80.7	69.5	89.3	77.7	78.3	90.3	85.0	76.0
<b>Alaska</b>												
September 1993 .....	W	W	77.1	100.3	W	W	99.6	W	74.7	123.2	99.0	88.8
August 1993 .....	W	W	76.9	100.7	W	W	99.9	W	75.0	122.2	101.4	87.4
September 1992 .....	W	W	83.3	103.1	97.0	W	102.5	97.0	81.5	NA	108.5	96.9
<b>Arizona</b>												
September 1993 .....	88.7	74.3	76.5	W	W	68.2	87.0	74.8	75.4	86.4	74.6	75.6
August 1993 .....	86.0	71.8	74.9	W	W	67.2	86.4	72.7	73.9	86.4	72.4	76.1
September 1992 .....	87.2	W	76.9	W	74.1	69.5	87.4	73.9	75.8	87.0	80.0	78.4
<b>California</b>												
September 1993 .....	81.0	71.2	72.8	75.6	W	64.1	79.5	71.2	71.0	79.3	78.6	68.8
August 1993 .....	81.6	69.1	71.0	75.7	W	61.7	79.8	69.0	69.4	79.8	76.5	64.2
September 1992 .....	90.7	75.6	81.3	86.1	71.1	68.2	89.5	74.8	78.9	89.9	84.4	73.1
<b>Hawaii</b>												
September 1993 .....	W	W	W	W	W	W	107.0	W	95.8	116.6	98.9	105.5
August 1993 .....	W	W	W	W	W	W	107.0	W	95.7	116.7	98.1	105.2
September 1992 .....	W	W	W	W	W	W	108.5	W	95.2	W	110.4	105.6
<b>Nevada</b>												
September 1993 .....	77.5	71.0	70.8	W	W	68.0	77.2	71.3	70.3	88.3	73.9	70.0
August 1993 .....	77.8	70.0	69.2	W	W	67.7	77.4	70.1	69.0	86.5	73.0	67.9
September 1992 .....	82.7	77.8	75.9	W	W	72.8	82.3	77.5	75.3	91.8	80.6	77.7
<b>Oregon</b>												
September 1993 .....	85.9	W	71.3	W	W	64.4	86.2	71.7	70.1	85.8	81.5	74.2
August 1993 .....	86.2	65.9	69.6	W	W	62.6	86.8	69.2	68.5	85.4	80.4	77.0
September 1992 .....	90.6	75.3	76.1	W	W	73.0	92.3	82.8	75.7	92.7	87.5	82.4
<b>Washington</b>												
September 1993 .....	76.0	67.8	70.1	W	-	67.3	76.8	67.8	69.8	81.1	79.3	68.2
August 1993 .....	76.8	65.3	68.6	W	-	64.7	77.8	65.3	68.2	81.0	77.3	71.4
September 1992 .....	84.9	73.7	76.5	W	W	73.7	85.9	73.9	76.2	88.7	85.4	79.3

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Refiners and Gas Plant Operators: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report;" Resellers: Energy Information Administration Form EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 31. Refiner/Reseller Leaded Regular Gasoline Prices  
by Seller, PAD District, and State  
(Cents per Gallon Excluding Taxes)**

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>U.S. Average</b>												
September 1993 .....	72.1	NA	68.3	82.7	NA	65.8	75.3	68.9	67.4	79.7	78.5	71.4
August 1993 .....	72.6	NA	66.4	83.7	NA	64.4	76.2	74.4	65.8	79.5	78.0	70.8
September 1992 .....	80.8	79.1	74.4	89.7	NA	72.7	83.5	75.8	73.8	86.0	86.1	78.5
<b>PAD District I Average</b>												
September 1993 .....	-	W	W	-	-	-	-	W	W	73.9	NA	NA
August 1993 .....	-	W	W	-	-	W	-	W	73.1	73.5	NA	NA
September 1992 .....	-	W	W	-	-	W	-	W	74.7	79.3	83.1	NA
<b>Subdistrict IA Average</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	NA	W
August 1993 .....	-	-	-	-	-	-	-	-	-	-	NA	W
September 1992 .....	-	-	-	-	-	-	-	-	-	-	NA	W
<b>Connecticut</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Maine</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Massachusetts</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	-	W	-
<b>New Hampshire</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Rhode Island</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	W	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	NA	-
September 1992 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Vermont</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	NA	W
August 1993 .....	-	-	-	-	-	-	-	-	-	-	NA	W
September 1992 .....	-	-	-	-	-	-	-	-	-	-	NA	W
<b>Subdistrict IB Average</b>												
September 1993 .....	-	W	W	-	-	-	-	W	W	NA	NA	NA
August 1993 .....	-	W	W	-	-	-	-	W	W	NA	NA	NA
September 1992 .....	-	W	W	-	-	-	-	W	W	W	NA	NA
<b>Delaware</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>District of Columbia</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Maryland</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	W	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>New Jersey</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	W	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	W	-
September 1992 .....	-	-	-	-	-	-	-	-	-	-	W	W
<b>New York</b>												
September 1993 .....	-	W	-	-	-	-	-	W	-	NA	NA	NA
August 1993 .....	-	W	W	-	-	-	-	W	W	NA	NA	NA
September 1992 .....	-	W	W	-	-	-	-	W	W	W	W	W
<b>Pennsylvania</b>												
September 1993 .....	-	W	W	-	-	-	-	W	W	W	NA	NA
August 1993 .....	-	W	W	-	-	-	-	W	W	W	NA	NA
September 1992 .....	-	W	W	-	-	-	-	W	W	-	81.9	W

See footnotes at end of table.

**Table 31. Refiner/Reseller Leaded Regular Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Subdistrict IC Average</b>												
September 1993 .....	-	W	-	-	-	-	-	W	-	W	W	-
August 1993 .....	-	W	-	-	-	W	-	W	W	W	W	-
September 1992 .....	-	W	-	-	-	W	-	W	W	W	W	W
<b>Florida</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	W	-	-
<b>Georgia</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	W	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	W	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	W	-	-
<b>North Carolina</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	W	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	W	-
September 1992 .....	-	-	-	-	-	-	-	-	-	W	-	-
<b>South Carolina</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Virginia</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1993 .....	-	-	-	-	-	W	-	-	W	-	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	-	W	W
<b>West Virginia</b>												
September 1993 .....	-	W	-	-	-	-	-	W	-	-	-	-
August 1993 .....	-	W	-	-	-	-	-	W	-	-	-	-
September 1992 .....	-	W	-	-	-	W	-	W	W	-	W	-
<b>PAD District II Average</b>												
September 1993 .....	W	W	67.3	W	-	59.3	W	W	60.4	78.9	78.5	65.9
August 1993 .....	W	W	66.9	W	-	60.6	77.4	W	61.8	78.3	78.1	65.8
September 1992 .....	W	W	71.6	82.5	-	69.7	83.1	W	70.0	85.2	86.2	73.1
<b>Illinois</b>												
September 1993 .....	-	-	-	-	-	W	-	-	W	78.8	80.7	W
August 1993 .....	-	-	-	-	-	W	-	-	W	79.1	80.7	W
September 1992 .....	-	-	-	-	-	W	-	-	W	82.0	79.0	78.6
<b>Indiana</b>												
September 1993 .....	-	W	-	-	-	W	-	W	W	79.6	77.6	75.5
August 1993 .....	-	W	-	-	-	W	-	W	W	78.9	79.4	75.3
September 1992 .....	-	W	-	-	-	W	-	W	W	86.7	86.9	72.9
<b>Iowa</b>												
September 1993 .....	-	-	-	W	-	-	W	-	-	74.8	75.6	67.5
August 1993 .....	-	-	-	W	-	-	W	-	-	74.3	74.3	67.5
September 1992 .....	-	-	-	W	-	-	W	-	-	83.6	80.2	70.8
<b>Kansas</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	NA	NA	NA
August 1993 .....	-	-	-	-	-	-	-	-	-	72.1	W	65.8
September 1992 .....	-	-	-	W	-	W	W	-	W	80.9	82.0	72.4
<b>Kentucky</b>												
September 1993 .....	-	W	W	W	-	W	W	W	W	W	-	-
August 1993 .....	-	W	W	W	-	W	W	W	W	W	-	-
September 1992 .....	-	W	W	W	-	W	W	W	78.0	W	-	-
<b>Michigan</b>												
September 1993 .....	-	-	W	-	-	W	-	-	W	79.6	80.8	64.5
August 1993 .....	-	-	W	-	-	W	-	-	W	80.3	78.6	65.8
September 1992 .....	-	-	67.0	W	-	W	W	-	70.5	87.9	89.0	77.1
<b>Minnesota</b>												
September 1993 .....	W	-	-	W	-	-	W	-	-	80.0	78.0	NA
August 1993 .....	W	-	-	W	-	-	W	-	-	79.3	76.9	65.5
September 1992 .....	W	-	-	W	-	-	W	-	-	83.8	86.6	72.1
<b>Missouri</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	76.1	74.7	62.4
August 1993 .....	-	-	-	-	-	-	-	-	-	75.0	75.5	62.3
September 1992 .....	-	-	-	W	-	-	W	-	-	80.0	81.5	76.1

See footnotes at end of table.

**Table 31. Refiner/Reseller Leaded Regular Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Nebraska</b>												
September 1993 .....	-	-	W	W	-	W	W	-	62.7	77.6	73.2	60.5
August 1993 .....	-	-	W	W	-	W	W	-	60.5	79.2	70.1	61.3
September 1992 .....	-	-	W	W	-	72.3	W	-	72.5	86.5	79.8	71.5
<b>North Dakota</b>												
September 1993 .....	-	-	W	-	-	W	-	-	63.4	87.3	87.0	72.0
August 1993 .....	-	-	W	-	-	W	-	-	61.9	85.7	85.4	70.7
September 1992 .....	W	-	W	-	-	W	W	-	71.2	92.1	90.3	74.7
<b>Ohio</b>												
September 1993 .....	-	W	W	-	-	-	-	W	W	NA	W	W
August 1993 .....	-	W	W	-	-	-	-	W	W	NA	W	-
September 1992 .....	-	W	W	-	-	-	-	W	W	82.4	NA	-
<b>Oklahoma</b>												
September 1993 .....	-	-	-	-	-	W	-	-	W	72.1	-	-
August 1993 .....	-	-	-	-	-	W	-	-	W	72.6	-	-
September 1992 .....	W	-	W	-	-	68.8	W	-	66.7	76.1	73.4	68.4
<b>South Dakota</b>												
September 1993 .....	-	-	W	-	-	67.9	-	-	67.7	84.9	79.5	71.8
August 1993 .....	-	-	W	-	-	64.8	-	-	64.3	85.7	81.6	68.4
September 1992 .....	-	-	W	-	-	74.2	-	-	74.2	91.3	90.4	76.2
<b>Tennessee</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	W	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	W	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	W	-	-
<b>Wisconsin</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	78.8	78.0	60.5
August 1993 .....	-	-	-	-	-	-	-	-	-	77.8	77.4	60.2
September 1992 .....	-	-	-	-	-	-	-	-	-	85.3	88.1	71.5
<b>PAD District III Average</b>												
September 1993 .....	W	-	67.4	90.1	-	65.6	90.1	-	66.1	79.2	NA	NA
August 1993 .....	W	-	67.3	89.9	-	65.4	89.9	-	66.0	80.2	77.9	73.7
September 1992 .....	W	-	74.7	89.2	W	71.0	88.2	W	72.3	86.1	86.5	82.6
<b>Alabama</b>												
September 1993 .....	-	-	W	-	-	-	-	-	W	W	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	W	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	W	-	-
<b>Arkansas</b>												
September 1993 .....	-	-	-	-	-	W	-	-	W	W	-	W
August 1993 .....	-	-	-	-	-	W	-	-	W	W	-	W
September 1992 .....	-	-	-	-	-	W	-	-	W	74.6	W	W
<b>Louisiana</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	77.4	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	76.7	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	W	W	-
<b>Mississippi</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	W	NA	W
August 1993 .....	-	-	-	-	-	-	-	-	-	W	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	W	-	-
<b>New Mexico</b>												
September 1993 .....	W	-	67.6	90.0	-	66.6	89.9	-	66.9	83.7	81.9	76.1
August 1993 .....	W	-	67.7	89.7	-	65.6	89.6	-	66.2	84.9	79.6	74.8
September 1992 .....	W	-	76.0	91.4	W	73.3	91.4	W	74.3	88.4	86.2	83.0
<b>Texas</b>												
September 1993 .....	-	-	66.8	W	-	63.2	W	-	64.3	75.4	NA	67.5
August 1993 .....	-	-	66.2	W	-	64.7	W	-	65.4	75.9	76.2	67.8
September 1992 .....	W	-	71.8	W	W	66.8	81.3	W	68.4	82.9	W	75.3
<b>PAD District IV Average</b>												
September 1993 .....	W	W	67.3	81.4	W	66.3	80.7	W	66.8	80.2	78.7	71.8
August 1993 .....	W	W	65.4	82.2	W	65.0	81.1	69.1	65.3	80.1	77.6	69.5
September 1992 .....	91.8	79.0	75.2	90.9	W	75.0	91.4	77.1	75.1	90.7	88.0	79.8

See footnotes at end of table.

**Table 31. Refiner/Reseller Leaded Regular Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Colorado</b>												
September 1993 .....	W	-	67.6	82.2	-	62.3	82.2	-	63.0	85.8	77.9	68.4
August 1993 .....	W	-	W	84.1	-	62.3	84.0	-	62.9	84.4	78.8	67.9
September 1992 .....	W	-	W	91.3	-	74.4	92.2	-	75.5	93.7	89.6	80.0
<b>Idaho</b>												
September 1993 .....	-	W	67.5	W	-	67.2	W	W	67.3	75.4	79.1	74.6
August 1993 .....	-	W	66.2	W	-	68.2	W	W	66.2	75.9	77.9	73.1
September 1992 .....	W	W	75.5	W	-	75.6	89.1	W	75.6	88.1	86.5	80.2
<b>Montana</b>												
September 1993 .....	-	-	W	W	-	68.1	W	-	68.3	87.1	82.4	72.2
August 1993 .....	-	-	W	W	-	68.9	W	-	67.0	85.1	81.2	68.5
September 1992 .....	W	-	W	W	-	76.6	W	-	76.0	94.2	90.3	79.5
<b>Utah</b>												
September 1993 .....	W	W	64.7	W	W	65.0	W	W	64.8	77.3	73.4	70.1
August 1993 .....	W	W	61.8	W	W	62.8	W	W	62.3	77.2	72.7	66.2
September 1992 .....	W	W	73.0	W	W	72.7	W	W	W	86.2	81.2	78.4
<b>Wyoming</b>												
September 1993 .....	W	W	67.0	80.2	-	68.8	79.1	W	W	83.5	75.6	70.6
August 1993 .....	W	W	64.5	81.1	-	65.1	79.7	W	W	85.0	72.7	68.2
September 1992 .....	W	W	75.5	92.5	W	76.1	90.6	W	75.9	95.4	89.2	80.3
<b>PAD District V Average</b>												
September 1993 .....	71.9	W	68.6	80.6	NA	67.5	73.7	73.6	68.4	79.8	79.4	73.6
August 1993 .....	72.4	W	66.7	81.9	NA	64.9	74.5	W	68.4	79.4	78.7	72.8
September 1992 .....	79.3	72.7	74.2	90.3	NA	72.2	81.4	71.0	73.9	84.3	83.7	78.7
<b>Alaska</b>												
September 1993 .....	W	-	W	W	-	W	W	-	78.6	NA	NA	NA
August 1993 .....	W	-	W	W	-	W	W	-	78.8	NA	NA	93.5
September 1992 .....	W	-	84.8	W	W	W	W	W	84.9	NA	NA	97.6
<b>Arizona</b>												
September 1993 .....	78.6	W	73.8	W	W	69.0	79.5	74.8	73.0	81.2	78.5	75.3
August 1993 .....	78.1	W	71.7	W	W	66.7	78.9	W	70.7	81.2	77.2	74.3
September 1992 .....	80.9	75.6	74.7	W	W	70.0	81.5	70.1	73.9	82.5	76.9	76.7
<b>California</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	-	W
August 1993 .....	-	-	-	-	-	-	-	-	-	-	-	W
September 1992 .....	W	-	W	-	-	-	W	-	W	-	W	83.2
<b>Hawaii</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Nevada</b>												
September 1993 .....	-	-	W	-	-	W	-	-	65.8	79.6	82.2	W
August 1993 .....	-	-	W	-	-	W	-	-	62.5	82.0	NA	69.1
September 1992 .....	-	W	77.2	-	-	W	-	W	77.1	88.5	W	85.5
<b>Oregon</b>												
September 1993 .....	77.6	-	66.6	W	-	67.3	78.9	-	68.4	81.1	79.2	74.0
August 1993 .....	78.2	-	66.4	W	-	64.1	79.8	-	66.1	80.9	78.6	73.4
September 1992 .....	84.0	W	73.8	W	-	72.4	86.6	W	73.6	85.9	87.0	80.7
<b>Washington</b>												
September 1993 .....	66.2	W	66.2	W	-	66.7	66.3	W	66.3	75.7	79.3	70.7
August 1993 .....	67.2	-	64.7	W	-	64.1	69.7	-	64.6	75.1	78.3	69.6
September 1992 .....	76.9	W	73.8	W	W	73.0	79.0	70.5	73.7	83.6	83.9	77.0

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Refiners and Gas Plant Operators: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report;" Resellers: Energy Information Administration Form EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 32. Refiner/Reseller Unleaded Regular Gasoline Prices  
by Seller, PAD District, and State  
(Cents per Gallon Excluding Taxes)**

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>U.S. Average</b>												
September 1993 .....	70.5	59.9	59.2	70.3	59.1	55.2	70.4	59.7	58.1	71.1	70.3	60.2
August 1993 .....	71.9	60.9	60.6	71.4	61.5	56.6	71.7	61.1	59.6	72.3	70.3	61.3
September 1992 .....	78.3	69.6	68.8	78.5	73.0	65.1	78.3	70.5	67.8	78.7	77.9	69.3
<b>PAD District I Average</b>												
September 1993 .....	68.2	55.6	56.8	68.5	57.7	52.4	68.3	56.3	56.3	68.8	64.5	57.9
August 1993 .....	69.8	57.7	59.4	70.2	60.3	55.1	69.9	58.6	58.9	70.7	66.4	60.3
September 1992 .....	74.9	67.1	67.6	76.4	68.8	63.7	75.2	67.6	67.1	77.3	73.6	69.0
<b>Subdistrict IA Average</b>												
September 1993 .....	72.1	54.9	58.7	-	W	52.3	72.1	54.3	58.1	72.6	60.5	58.2
August 1993 .....	74.0	56.9	61.3	-	W	55.5	74.0	56.8	60.9	74.4	64.0	60.8
September 1992 .....	82.2	67.7	71.1	-	W	64.9	82.2	67.4	70.7	83.0	74.3	70.0
<b>Connecticut</b>												
September 1993 .....	W	55.0	59.9	-	W	W	W	53.3	59.6	71.8	60.1	61.4
August 1993 .....	W	57.2	61.6	-	W	W	W	57.2	61.4	73.9	61.7	63.5
September 1992 .....	W	W	70.5	-	W	W	W	66.7	70.4	81.7	74.5	68.9
<b>Maine</b>												
September 1993 .....	-	W	53.9	-	W	W	-	53.4	53.8	79.0	66.9	57.9
August 1993 .....	-	W	57.1	-	W	W	-	56.6	57.0	79.9	69.6	62.6
September 1992 .....	-	70.1	68.9	-	-	W	-	70.1	68.8	85.4	79.2	69.5
<b>Massachusetts</b>												
September 1993 .....	71.8	55.1	59.2	-	W	W	71.8	54.3	58.4	69.7	56.1	55.7
August 1993 .....	74.1	57.1	62.7	-	W	W	74.1	56.5	62.4	71.7	60.7	57.3
September 1992 .....	83.3	W	72.0	-	W	W	83.3	66.9	71.8	81.7	69.2	68.4
<b>New Hampshire</b>												
September 1993 .....	71.5	W	60.1	-	W	W	71.5	56.9	59.6	73.8	67.7	62.3
August 1993 .....	74.2	W	61.4	-	W	W	74.2	W	61.1	75.2	68.4	64.3
September 1992 .....	W	68.3	71.5	-	W	W	W	67.9	71.0	84.2	80.6	74.0
<b>Rhode Island</b>												
September 1993 .....	69.5	W	58.7	-	W	W	69.5	53.4	57.5	68.8	68.4	53.7
August 1993 .....	70.5	W	60.1	-	W	W	70.5	56.1	59.6	70.7	69.9	57.5
September 1992 .....	79.7	W	71.6	-	W	W	79.7	68.7	69.8	81.6	68.0	69.5
<b>Vermont</b>												
September 1993 .....	-	W	W	-	W	W	-	W	61.6	78.3	69.9	67.0
August 1993 .....	-	-	W	-	W	W	-	W	63.0	79.4	71.1	68.4
September 1992 .....	-	W	W	-	W	W	-	W	72.2	86.9	77.3	77.8
<b>Subdistrict IB Average</b>												
September 1993 .....	68.5	55.5	57.7	70.3	59.9	53.1	68.9	57.0	57.1	68.6	65.2	57.3
August 1993 .....	69.9	57.8	60.0	71.9	62.3	56.1	70.3	59.4	59.5	70.8	66.4	59.3
September 1992 .....	77.4	68.6	68.3	77.5	69.5	65.0	77.4	69.1	67.9	78.8	73.7	68.4
<b>Delaware</b>												
September 1993 .....	W	W	56.7	-	-	W	W	W	57.1	65.0	61.7	59.4
August 1993 .....	W	56.2	58.4	-	-	W	W	56.2	57.8	66.6	63.7	61.2
September 1992 .....	W	W	69.3	-	-	62.0	W	W	67.9	77.8	71.6	69.5
<b>District of Columbia</b>												
September 1993 .....	-	W	64.2	-	-	W	-	W	64.1	W	58.7	58.1
August 1993 .....	-	W	66.0	-	-	-	-	W	66.0	W	59.3	58.2
September 1992 .....	-	W	75.0	-	-	W	-	W	74.4	W	67.3	66.5
<b>Maryland</b>												
September 1993 .....	-	54.1	58.9	-	W	W	-	54.1	59.2	66.8	61.9	58.3
August 1993 .....	-	55.9	60.7	NA	W	W	NA	55.9	60.9	69.7	63.8	60.4
September 1992 .....	-	67.1	70.1	W	W	72.6	W	66.7	70.5	77.5	70.8	70.3
<b>New Jersey</b>												
September 1993 .....	71.6	54.4	57.8	W	W	50.1	71.6	54.2	56.9	68.8	63.5	53.7
August 1993 .....	72.6	56.7	60.4	W	W	53.9	72.7	56.5	59.6	69.4	64.7	55.5
September 1992 .....	82.3	67.7	66.9	W	W	62.6	82.4	66.6	66.6	79.4	73.3	65.0
<b>New York</b>												
September 1993 .....	69.3	57.3	60.0	W	W	52.8	68.4	56.6	59.2	72.8	63.7	57.6
August 1993 .....	70.5	59.7	61.9	W	W	55.8	69.6	59.4	61.1	74.2	64.5	61.1
September 1992 .....	76.2	69.1	69.5	W	W	64.0	75.2	68.0	68.9	79.5	72.3	69.6
<b>Pennsylvania</b>												
September 1993 .....	66.0	56.1	55.0	75.0	63.1	52.2	66.2	60.2	54.6	65.0	69.5	60.4
August 1993 .....	67.7	56.7	57.6	76.5	64.9	56.4	66.8	62.5	57.5	67.9	70.6	62.2
September 1992 .....	75.9	70.6	67.9	82.1	71.3	64.8	77.4	71.1	67.5	78.4	77.5	70.9

See footnotes at end of table.

**Table 32. Refiner/Reseller Unleaded Regular Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
Subdistrict IC Average												
September 1993 .....	67.7	55.8	55.5	67.2	57.3	51.8	67.6	56.1	55.0	67.9	64.8	58.3
August 1993 .....	69.4	57.8	58.4	68.9	60.7	54.2	69.3	58.4	57.8	69.6	66.9	61.1
September 1992 .....	73.0	66.3	65.8	75.6	67.4	62.5	73.5	66.5	65.3	75.3	73.5	69.0
Florida												
September 1993 .....	69.4	54.7	58.5	68.6	W	53.7	69.3	54.3	57.7	69.9	66.0	58.6
August 1993 .....	71.3	57.4	61.1	70.4	W	54.7	71.2	57.2	60.2	72.0	68.9	62.2
September 1992 .....	72.9	65.8	66.6	76.2	W	62.9	73.3	65.4	66.0	78.1	75.7	69.0
Georgia												
September 1993 .....	65.3	58.9	54.1	65.7	-	50.9	65.3	56.9	53.6	67.0	67.3	56.2
August 1993 .....	66.7	57.7	57.2	67.3	-	53.7	66.8	57.7	56.7	68.7	67.9	59.4
September 1992 .....	70.1	67.2	65.1	71.9	-	62.2	70.3	67.2	64.6	74.6	73.4	68.8
North Carolina												
September 1993 .....	64.8	54.2	59.3	W	W	51.0	64.3	54.2	53.1	66.1	61.6	59.3
August 1993 .....	67.0	57.0	56.4	W	W	53.9	66.5	57.0	58.2	67.7	63.7	61.2
September 1992 .....	73.5	64.2	64.8	W	-	61.8	73.0	64.2	64.5	73.3	71.2	68.2
South Carolina												
September 1993 .....	61.8	54.4	53.1	W	W	50.9	61.8	54.3	52.8	65.4	64.6	56.9
August 1993 .....	63.5	57.2	58.2	W	-	53.8	63.7	57.2	55.8	67.3	69.3	59.8
September 1992 .....	70.3	65.6	65.0	W	-	61.9	70.4	65.6	64.6	73.9	70.8	69.3
Virginia												
September 1993 .....	73.0	56.1	56.5	W	52.7	50.7	69.3	55.7	55.9	68.5	63.4	59.6
August 1993 .....	74.2	57.4	59.1	W	55.7	54.2	70.6	57.2	58.5	69.7	65.2	62.1
September 1992 .....	78.3	68.1	66.6	W	W	62.7	78.2	67.1	66.2	75.5	74.6	68.9
West Virginia												
September 1993 .....	77.5	63.4	56.7	W	W	W	76.6	63.9	55.9	69.5	65.3	63.8
August 1993 .....	78.4	65.8	59.7	W	W	55.0	77.3	65.9	58.6	72.3	65.3	66.0
September 1992 .....	83.3	74.9	68.8	W	W	65.1	81.7	74.1	68.0	78.9	74.9	74.3
PAD District II Average												
September 1993 .....	68.0	59.7	58.4	66.8	57.4	55.1	67.6	59.5	58.0	70.1	70.9	60.2
August 1993 .....	70.3	61.0	58.4	67.7	58.9	56.8	69.5	60.9	57.9	71.2	70.6	61.6
September 1992 .....	76.8	69.9	67.4	75.2	68.5	65.8	76.3	69.9	66.9	77.4	78.8	69.8
Illinois												
September 1993 .....	66.6	56.5	55.7	W	W	54.3	68.2	56.3	55.4	70.0	69.1	58.9
August 1993 .....	69.2	58.5	58.1	W	W	56.7	68.5	58.4	57.8	71.2	70.8	59.9
September 1992 .....	75.5	67.3	68.3	W	W	66.0	75.1	67.3	66.2	77.6	78.7	69.9
Indiana												
September 1993 .....	66.7	55.1	54.7	W	W	53.2	68.1	55.1	54.5	67.8	67.0	57.9
August 1993 .....	67.5	56.9	56.9	W	W	55.7	66.9	56.7	56.7	68.7	67.8	60.1
September 1992 .....	76.3	67.1	66.3	W	-	63.1	75.5	67.1	65.5	76.3	75.4	68.5
Iowa												
September 1993 .....	69.4	W	59.0	67.9	-	56.5	68.2	W	57.8	69.9	72.5	60.8
August 1993 .....	68.0	W	59.6	66.8	-	57.4	67.1	W	58.5	68.8	71.2	61.2
September 1992 .....	79.4	W	69.3	76.6	-	67.0	77.3	W	68.3	78.2	81.8	70.3
Kansas												
September 1993 .....	66.7	57.9	57.4	67.7	W	54.9	67.4	57.5	55.5	70.5	72.5	60.3
August 1993 .....	67.0	58.1	58.4	67.6	W	68.5	67.4	58.4	57.1	71.7	71.9	61.7
September 1992 .....	77.1	68.7	67.7	76.4	W	64.9	76.7	67.2	65.7	79.3	81.4	69.8
Kentucky												
September 1993 .....	70.1	59.6	55.2	70.9	-	53.1	70.1	59.6	55.1	70.0	65.6	60.0
August 1993 .....	72.6	62.6	58.3	72.5	-	54.9	72.6	62.6	58.0	71.6	66.2	62.5
September 1992 .....	77.3	71.8	67.4	77.5	-	63.3	77.4	71.8	67.0	76.5	70.3	71.1
Michigan												
September 1993 .....	67.1	59.2	56.4	W	W	54.0	66.5	59.1	56.0	69.8	70.0	60.6
August 1993 .....	68.0	60.1	58.4	W	W	56.6	67.2	60.1	58.1	71.3	70.5	63.0
September 1992 .....	75.3	68.3	68.5	W	-	67.5	74.6	68.3	68.3	76.7	78.4	70.9
Minnesota												
September 1993 .....	75.5	61.4	61.3	77.0	W	59.1	75.9	61.4	60.4	78.0	NA	65.0
August 1993 .....	75.5	61.5	62.0	76.8	W	59.7	75.8	61.6	61.1	78.0	72.9	64.5
September 1992 .....	80.8	69.2	70.2	84.7	W	68.4	81.9	68.9	69.4	82.3	82.4	72.3
Missouri												
September 1993 .....	65.0	W	58.8	64.8	W	53.7	64.9	59.4	55.7	67.0	67.7	59.4
August 1993 .....	66.9	W	58.5	65.3	W	56.6	66.1	W	57.9	68.6	65.5	60.1
September 1992 .....	74.8	68.9	67.8	73.3	W	64.8	74.1	68.9	66.6	73.4	78.4	69.6

See footnotes at end of table.

**Table 32. Refiner/Reseller Unleaded Regular Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Nebraska</b>												
September 1993 .....	W	W	59.2	71.3	W	57.2	72.7	57.2	58.1	73.9	73.3	61.3
August 1993 .....	W	W	59.7	70.8	W	57.8	72.3	57.9	58.7	74.0	72.4	61.7
September 1992 .....	W	W	69.9	77.5	-	68.0	79.0	W	68.8	79.5	75.7	71.1
<b>North Dakota</b>												
September 1993 .....	81.6	63.3	63.1	NA	-	60.0	81.6	63.3	61.4	81.7	81.0	64.8
August 1993 .....	81.9	W	63.7	-	-	59.8	81.9	W	61.4	83.3	79.0	64.6
September 1992 .....	88.1	W	72.7	W	-	70.4	87.7	W	71.4	87.3	85.9	73.2
<b>Ohio</b>												
September 1993 .....	67.7	62.3	56.7	W	W	53.5	67.4	62.5	56.5	68.2	71.2	59.7
August 1993 .....	71.8	64.0	59.7	W	W	58.6	71.5	64.1	59.4	70.8	73.3	62.6
September 1992 .....	77.2	72.6	67.8	W	W	65.7	76.9	72.6	67.6	76.3	74.4	68.0
<b>Oklahoma</b>												
September 1993 .....	63.5	56.1	54.6	65.0	W	53.9	64.0	55.9	54.2	65.4	64.3	58.0
August 1993 .....	66.3	56.4	55.2	66.5	W	55.0	66.3	56.3	55.1	67.3	64.7	58.8
September 1992 .....	75.9	66.1	64.8	75.3	W	63.9	75.7	66.1	64.4	74.0	72.4	66.9
<b>South Dakota</b>												
September 1993 .....	W	W	62.4	W	W	60.2	75.8	62.1	61.4	80.9	77.6	67.9
August 1993 .....	W	W	62.1	W	W	60.1	W	58.3	61.2	81.1	75.1	66.4
September 1992 .....	W	W	71.9	W	NA	69.7	W	W	70.8	85.7	87.3	75.3
<b>Tennessee</b>												
September 1993 .....	68.1	57.0	53.5	66.9	52.8	51.2	67.7	56.1	53.1	67.0	61.0	58.7
August 1993 .....	69.9	59.2	56.6	69.0	55.2	54.1	69.6	58.3	56.2	67.7	62.3	61.6
September 1992 .....	76.0	65.7	65.3	75.3	W	62.1	75.1	65.5	64.7	73.2	70.1	69.1
<b>Wisconsin</b>												
September 1993 .....	66.6	56.7	56.1	W	W	54.6	66.9	56.3	55.6	70.4	72.2	59.3
August 1993 .....	68.1	57.9	58.3	W	W	56.7	68.3	57.5	57.8	71.3	73.6	61.6
September 1992 .....	78.7	69.0	68.2	W	W	66.7	78.0	68.0	67.6	80.7	79.9	69.0
<b>PAD District III Average</b>												
September 1993 .....	70.8	58.3	55.4	69.7	50.6	51.5	70.2	55.5	53.6	70.0	67.4	58.4
August 1993 .....	72.2	59.3	57.4	71.4	54.7	53.7	71.8	57.6	55.8	71.3	67.4	59.5
September 1992 .....	76.5	66.3	64.1	77.2	65.4	62.2	76.8	66.0	63.4	76.9	74.7	66.0
<b>Alabama</b>												
September 1993 .....	68.9	53.4	53.4	67.4	W	51.4	68.5	53.4	53.0	70.4	64.3	64.0
August 1993 .....	70.8	55.0	56.4	68.6	W	54.4	70.3	55.0	55.9	72.4	64.0	64.5
September 1992 .....	76.3	65.0	64.8	75.6	W	62.2	76.1	64.8	64.2	77.8	75.0	73.9
<b>Arkansas</b>												
September 1993 .....	69.1	W	54.3	W	-	52.1	68.7	W	53.2	70.3	64.2	59.0
August 1993 .....	72.4	W	56.4	W	W	53.9	70.4	57.1	55.2	70.7	62.6	59.3
September 1992 .....	81.2	68.6	65.3	W	W	63.1	76.8	68.3	64.4	74.4	73.7	66.8
<b>Louisiana</b>												
September 1993 .....	71.8	53.7	55.4	69.3	W	50.8	71.3	53.7	53.5	70.3	65.5	61.1
August 1993 .....	72.4	55.3	56.3	70.7	W	53.2	72.0	55.5	55.1	70.5	65.1	61.8
September 1992 .....	77.4	64.6	63.9	76.3	W	62.3	77.1	64.6	63.5	75.6	75.0	72.4
<b>Mississippi</b>												
September 1993 .....	67.6	53.4	52.8	69.0	50.5	51.2	68.1	52.3	62.4	67.9	65.2	58.8
August 1993 .....	68.9	55.3	55.5	72.0	53.8	53.3	70.1	54.3	54.7	68.5	66.8	60.3
September 1992 .....	75.3	64.2	62.6	76.5	63.0	61.4	75.7	63.5	62.3	75.9	75.5	67.2
<b>New Mexico</b>												
September 1993 .....	82.1	72.3	67.4	89.3	70.0	64.0	87.2	71.8	68.0	81.3	78.3	73.1
August 1993 .....	82.0	73.1	67.7	88.8	69.8	63.4	86.9	72.4	65.8	83.5	80.6	72.9
September 1992 .....	87.4	W	74.7	92.4	74.9	72.6	90.8	75.6	73.8	88.1	83.3	80.1
<b>Texas</b>												
September 1993 .....	70.3	60.4	55.5	67.7	W	50.8	69.2	54.9	53.1	68.8	68.8	58.6
August 1993 .....	72.0	60.4	57.5	69.8	W	53.1	71.0	57.2	55.3	70.4	68.6	58.2
September 1992 .....	76.0	68.0	63.5	76.0	W	61.5	76.0	65.6	62.6	76.4	73.4	64.0
<b>PAD District IV Average</b>												
September 1993 .....	75.1	65.3	65.4	77.8	67.8	63.7	76.4	66.2	64.7	78.4	77.4	68.1
August 1993 .....	75.4	63.8	63.9	78.0	64.8	62.8	76.7	64.3	63.5	78.3	76.0	67.0
September 1992 .....	85.2	75.9	74.8	87.3	82.8	73.4	86.2	80.2	74.2	87.8	85.0	78.1

See footnotes at end of table.

**Table 32. Refiner/Reseller Unleaded Regular Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Colorado</b>												
September 1993 .....	76.0	W	63.1	77.7	-	59.8	77.0	W	61.6	79.9	73.5	64.6
August 1993 .....	77.3	W	62.4	78.0	W	59.8	77.7	W	61.3	78.9	73.8	64.3
September 1992 .....	85.4	W	75.3	87.1	W	71.9	86.3	72.8	73.7	87.4	83.8	76.5
<b>Idaho</b>												
September 1993 .....	-	W	67.4	W	-	67.2	W	W	67.3	75.2	77.2	72.8
August 1993 .....	-	W	66.4	W	-	66.3	W	W	66.3	75.7	76.1	72.3
September 1992 .....	W	W	75.6	W	-	75.5	89.9	W	75.6	87.7	83.9	79.8
<b>Montana</b>												
September 1993 .....	-	W	68.3	W	NA	67.8	W	NA	68.1	86.7	82.4	71.6
August 1993 .....	-	W	66.9	W	NA	66.6	W	NA	66.8	85.1	80.5	68.0
September 1992 .....	W	W	75.8	W	NA	75.5	W	NA	75.7	92.5	86.6	78.9
<b>Utah</b>												
September 1993 .....	72.7	W	64.8	W	W	64.3	72.7	65.3	64.7	74.1	73.6	69.4
August 1993 .....	70.9	62.5	62.1	W	W	62.4	70.4	62.5	62.2	74.8	72.2	67.0
September 1992 .....	81.8	W	73.0	W	W	72.4	81.8	73.5	72.8	83.1	82.5	77.1
<b>Wyoming</b>												
September 1993 .....	W	W	66.7	79.1	W	65.6	77.8	68.3	66.2	82.5	81.2	70.0
August 1993 .....	W	71.3	64.4	79.1	W	63.8	77.6	69.8	64.1	83.5	76.9	68.8
September 1992 .....	W	83.7	75.6	92.0	W	75.4	90.1	78.0	75.5	95.6	91.3	79.4
<b>PAD District V Average</b>												
September 1993 .....	77.4	69.4	69.2	78.1	74.6	63.6	77.6	70.5	68.1	82.5	77.0	68.1
August 1993 .....	77.7	67.5	67.6	78.5	72.9	61.7	77.9	68.8	66.4	82.4	75.3	65.1
September 1992 .....	85.8	73.5	78.4	87.3	79.8	68.1	86.2	75.8	74.8	88.7	83.2	73.5
<b>Alaska</b>												
September 1993 .....	W	W	75.5	99.3	W	W	98.6	77.2	73.4	NA	98.8	85.8
August 1993 .....	W	W	75.4	99.9	W	W	99.2	W	73.9	NA	101.5	86.4
September 1992 .....	W	W	81.7	102.4	NA	W	101.8	NA	80.1	NA	107.1	96.6
<b>Arizona</b>												
September 1993 .....	84.2	73.6	74.5	W	W	67.2	84.6	74.5	73.4	85.1	73.7	73.9
August 1993 .....	83.5	70.8	73.0	W	W	66.5	84.0	72.1	72.1	85.1	70.9	74.2
September 1992 .....	85.0	W	75.0	W	74.2	68.5	85.2	73.9	74.0	88.0	79.3	77.0
<b>California</b>												
September 1993 .....	75.8	67.7	68.5	72.9	W	62.6	74.9	67.8	67.2	75.9	75.2	NA
August 1993 .....	76.2	65.5	68.8	72.9	W	60.4	75.1	65.5	65.4	76.8	73.3	61.6
September 1992 .....	86.2	72.4	77.1	84.1	69.9	66.6	85.6	71.9	74.8	86.5	81.9	70.4
<b>Hawaii</b>												
September 1993 .....	W	W	91.9	W	W	W	101.7	72.4	90.5	111.5	93.0	101.5
August 1993 .....	W	W	92.3	W	W	W	101.7	W	90.4	111.6	92.0	101.0
September 1992 .....	W	W	91.2	W	W	W	102.7	W	90.1	W	106.9	100.7
<b>Nevada</b>												
September 1993 .....	75.4	70.9	67.7	W	W	67.0	75.1	71.2	67.5	85.3	72.8	68.4
August 1993 .....	75.5	69.9	65.9	W	W	67.0	75.1	70.1	68.1	83.2	71.7	65.8
September 1992 .....	81.1	77.6	72.9	W	W	72.1	80.5	77.1	72.7	88.9	80.2	75.5
<b>Oregon</b>												
September 1993 .....	84.0	W	69.5	W	W	63.1	84.5	71.5	68.3	85.1	80.7	72.5
August 1993 .....	84.3	85.6	67.9	W	W	61.5	85.1	69.0	66.7	84.6	79.4	75.6
September 1992 .....	89.4	74.8	74.4	W	W	72.2	91.0	82.7	74.1	93.2	86.5	80.9
<b>Washington</b>												
September 1993 .....	74.3	67.3	67.8	W	-	66.3	75.2	67.3	67.6	79.8	77.7	NA
August 1993 .....	74.8	64.9	66.3	W	-	63.7	76.2	64.9	66.0	79.8	75.5	69.3
September 1992 .....	83.5	73.6	74.4	W	W	72.9	84.7	73.5	74.3	88.1	83.8	77.5

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Refiners and Gas Plant Operators: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report;" Resellers: Energy Information Administration Form EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 33. Refiner/Reseller Unleaded Midgrade Gasoline Prices  
by Seller, PAD District, and State  
(Cents per Gallon Excluding Taxes)**

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>U.S. Average</b>												
September 1993 .....	80.2	83.8	64.8	77.8	61.5	58.5	79.7	63.2	64.3	78.4	74.1	66.4
August 1993 .....	81.8	65.1	66.5	78.6	64.5	60.3	81.1	64.9	66.1	79.8	74.8	68.4
September 1992 .....	87.1	74.5	74.5	85.3	72.7	67.9	86.8	74.1	74.0	85.6	80.8	75.7
<b>PAD District I Average</b>												
September 1993 .....	81.3	59.2	63.8	78.6	61.5	58.8	81.0	60.1	63.5	78.6	71.9	65.3
August 1993 .....	82.7	61.7	65.9	78.4	64.6	59.3	82.2	62.6	65.7	80.4	73.6	67.7
September 1992 .....	86.8	72.4	73.7	85.1	72.4	67.5	86.6	72.4	73.4	86.6	79.2	75.8
<b>Subdistrict IA Average</b>												
September 1993 .....	85.5	63.6	65.2	-	W	54.9	85.5	58.6	64.6	81.9	66.5	65.3
August 1993 .....	86.8	66.6	67.0	-	W	58.7	86.8	62.5	66.7	83.5	69.9	67.8
September 1992 .....	94.3	76.3	76.7	-	W	W	94.3	74.0	76.3	91.9	77.4	78.0
<b>Connecticut</b>												
September 1993 .....	W	64.8	65.9	-	W	W	W	63.5	65.3	82.4	63.4	66.1
August 1993 .....	W	88.0	67.3	-	W	W	W	67.4	67.0	84.4	67.3	68.3
September 1992 .....	W	79.7	77.1	-	W	W	W	77.4	77.0	90.9	78.7	80.6
<b>Maine</b>												
September 1993 .....	-	W	58.0	-	W	W	-	W	57.9	88.0	73.9	64.5
August 1993 .....	-	W	61.1	-	W	W	-	W	61.0	88.9	75.8	67.6
September 1992 .....	-	W	72.9	-	-	W	-	W	72.8	96.6	81.5	76.9
<b>Massachusetts</b>												
September 1993 .....	85.0	W	66.5	-	W	W	85.0	W	66.0	79.7	82.7	62.8
August 1993 .....	86.7	NA	68.7	-	W	W	86.7	60.8	68.4	81.3	66.8	65.0
September 1992 .....	94.6	73.0	77.5	-	W	W	94.6	71.8	77.2	90.8	75.3	75.2
<b>New Hampshire</b>												
September 1993 .....	85.3	-	65.5	-	W	W	85.3	W	65.2	85.2	70.5	68.7
August 1993 .....	86.7	-	66.3	-	W	W	86.7	W	66.2	85.8	72.0	72.0
September 1992 .....	W	W	75.8	-	W	W	W	W	75.5	93.8	75.9	79.1
<b>Rhode Island</b>												
September 1993 .....	80.5	W	64.3	-	-	W	80.5	W	63.1	75.0	68.5	59.5
August 1993 .....	80.8	W	65.9	-	-	W	80.8	W	65.3	77.2	69.4	62.7
September 1992 .....	90.5	W	76.3	-	W	W	90.5	W	74.6	88.0	71.5	73.7
<b>Vermont</b>												
September 1993 .....	-	-	W	-	-	W	-	-	66.8	87.1	73.1	73.5
August 1993 .....	-	-	W	-	-	W	-	-	W	88.2	75.1	74.9
September 1992 .....	-	-	W	-	-	W	-	-	W	94.4	82.5	82.4
<b>Subdistrict IB Average</b>												
September 1993 .....	81.5	60.8	65.2	W	66.8	61.4	81.1	63.5	W	76.7	70.6	65.3
August 1993 .....	82.7	63.6	66.6	W	67.6	62.3	82.4	65.6	66.5	78.8	72.1	68.3
September 1992 .....	89.1	74.9	75.7	W	74.9	71.8	88.7	74.9	75.5	87.5	79.4	76.6
<b>Delaware</b>												
September 1993 .....	W	W	61.9	-	-	W	W	W	61.8	72.8	68.6	64.9
August 1993 .....	W	59.5	63.2	-	-	W	W	59.5	62.4	74.4	70.2	66.6
September 1992 .....	W	W	73.7	-	-	W	W	W	72.4	86.7	79.1	73.7
<b>District of Columbia</b>												
September 1993 .....	-	W	67.6	-	-	-	-	W	67.6	W	61.9	60.7
August 1993 .....	-	W	71.2	-	-	-	-	W	71.2	W	NA	61.4
September 1992 .....	-	70.7	79.8	-	-	-	-	70.7	79.8	W	69.3	71.6
<b>Maryland</b>												
September 1993 .....	-	57.9	65.0	-	-	W	-	57.9	65.2	77.3	72.6	64.6
August 1993 .....	-	59.6	66.7	NA	W	W	NA	59.5	66.8	79.9	74.7	65.8
September 1992 .....	-	71.8	75.2	W	-	77.0	W	71.8	75.4	88.1	81.0	76.2
<b>New Jersey</b>												
September 1993 .....	87.0	61.2	66.5	-	W	54.5	87.0	59.1	66.1	83.5	71.1	NA
August 1993 .....	87.6	67.5	68.0	-	W	57.2	87.6	62.6	67.7	84.6	72.5	68.1
September 1992 .....	94.6	76.5	79.2	-	W	66.5	94.6	71.7	78.9	91.9	81.5	77.6
<b>New York</b>												
September 1993 .....	81.7	67.5	68.2	W	W	56.7	80.4	65.1	68.0	82.1	66.4	66.5
August 1993 .....	83.2	71.3	68.8	W	W	W	81.8	67.7	68.6	82.2	68.0	69.1
September 1992 .....	87.0	81.7	75.8	W	W	W	86.0	74.4	75.7	88.3	76.2	77.4
<b>Pennsylvania</b>												
September 1993 .....	78.6	60.5	61.8	W	74.7	58.1	79.1	70.2	61.7	72.9	73.0	67.7
August 1993 .....	79.9	63.5	63.7	W	74.9	61.3	80.4	71.8	63.7	76.0	74.7	69.2
September 1992 .....	87.4	73.6	73.3	W	W	69.7	87.7	79.6	73.2	85.8	80.9	76.1

See footnotes at end of table.

**Table 33. Refiner/Reseller Unleaded Midgrade Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Subdistrict IC Average</b>												
September 1993 .....	80.9	58.2	62.5	78.5	59.6	54.6	80.6	58.6	62.1	78.5	74.7	65.3
August 1993 .....	82.3	60.2	65.2	77.7	63.8	57.6	81.7	61.1	W	80.2	75.9	67.5
September 1992 .....	85.1	70.1	71.5	85.0	W	65.4	85.1	70.3	W	85.0	79.5	74.6
<b>Florida</b>												
September 1993 .....	83.5	57.1	67.3	W	W	55.3	83.3	57.3	68.4	81.6	72.2	66.2
August 1993 .....	85.3	59.4	69.6	W	W	58.1	84.9	60.0	68.9	83.3	73.8	69.4
September 1992 .....	85.7	69.6	72.9	85.0	W	65.9	85.7	69.2	72.3	88.8	78.3	74.8
<b>Georgia</b>												
September 1993 .....	77.3	57.8	60.1	74.4	-	53.7	77.0	57.8	59.8	77.2	73.0	62.0
August 1993 .....	78.2	59.7	63.2	76.1	-	56.8	78.0	59.7	62.9	78.7	73.0	64.9
September 1992 .....	81.2	68.2	70.4	79.6	-	65.1	81.1	68.2	69.9	84.8	78.4	74.6
<b>North Carolina</b>												
September 1993 .....	76.3	56.3	58.2	W	-	54.0	76.9	56.3	58.1	76.0	71.0	66.0
August 1993 .....	78.3	60.7	61.3	W	W	57.2	77.5	60.7	61.2	78.1	70.2	67.4
September 1992 .....	84.1	67.5	69.7	W	-	65.1	83.6	67.5	69.5	82.0	80.0	74.4
<b>South Carolina</b>												
September 1993 .....	73.2	W	58.1	W	-	53.6	73.1	W	57.8	77.5	90.8	63.4
August 1993 .....	74.9	W	61.3	W	-	56.7	74.2	W	60.9	NA	NA	65.2
September 1992 .....	80.9	W	70.1	W	-	64.7	80.8	W	69.6	84.9	74.8	72.3
<b>Virginia</b>												
September 1993 .....	85.9	57.3	63.4	W	W	53.8	82.2	57.4	63.1	78.5	75.1	67.9
August 1993 .....	86.9	59.8	65.4	W	W	57.3	83.3	60.6	65.2	80.0	75.9	69.9
September 1992 .....	90.4	70.8	72.4	W	-	65.1	89.5	70.8	72.0	84.8	83.0	76.7
<b>West Virginia</b>												
September 1993 .....	90.1	70.4	62.0	W	W	W	87.9	69.7	61.7	78.7	73.8	70.9
August 1993 .....	89.5	W	64.7	W	W	W	87.7	73.1	64.4	80.7	71.7	72.8
September 1992 .....	95.0	81.1	73.3	W	W	W	92.3	80.1	73.1	87.8	79.5	70.7
<b>PAD District II Average</b>												
September 1993 .....	77.1	66.3	62.6	75.2	67.2	58.1	76.8	66.3	W	76.5	75.5	66.5
August 1993 .....	79.4	66.7	65.2	76.2	69.7	60.3	78.8	66.9	64.9	77.7	76.3	68.0
September 1992 .....	85.4	77.0	72.9	83.5	77.9	68.5	85.0	77.0	72.7	83.5	83.2	75.5
<b>Illinois</b>												
September 1993 .....	76.9	W	64.8	W	-	58.0	76.1	W	64.7	75.1	73.7	66.8
August 1993 .....	79.2	W	67.1	W	-	60.9	78.3	W	67.0	76.6	75.1	68.1
September 1992 .....	84.5	W	72.6	W	-	70.0	84.2	W	72.6	83.7	83.7	80.2
<b>Indiana</b>												
September 1993 .....	73.8	W	61.8	W	-	W	73.4	W	61.3	74.9	71.9	65.9
August 1993 .....	74.6	W	63.9	W	-	W	74.2	W	63.6	76.7	71.9	67.7
September 1992 .....	83.6	W	72.3	W	-	69.6	83.1	W	72.0	84.1	80.2	73.2
<b>Iowa</b>												
September 1993 .....	W	-	64.7	W	-	W	W	-	64.7	75.9	73.9	67.1
August 1993 .....	W	-	64.4	W	-	W	W	-	64.4	75.0	73.9	67.3
September 1992 .....	-	-	74.3	82.3	-	71.4	82.3	-	74.3	85.5	80.7	74.1
<b>Kansas</b>												
September 1993 .....	76.6	-	65.4	75.0	-	60.2	76.3	-	65.2	77.4	74.0	68.1
August 1993 .....	77.4	-	66.1	74.8	-	60.4	77.0	-	65.8	77.8	77.0	68.2
September 1992 .....	85.8	W	75.1	85.8	-	70.1	85.8	W	74.8	85.1	91.4	73.8
<b>Kentucky</b>												
September 1993 .....	81.9	W	59.8	80.9	-	53.6	81.9	W	59.7	78.4	72.5	67.7
August 1993 .....	84.1	W	63.8	81.8	-	56.6	84.0	W	63.8	79.9	73.0	70.3
September 1992 .....	86.7	W	72.2	83.0	-	65.5	86.6	W	72.0	83.9	79.8	77.5
<b>Michigan</b>												
September 1993 .....	75.2	W	62.6	W	-	W	75.3	W	62.4	76.7	73.2	65.6
August 1993 .....	78.4	W	64.8	W	W	W	76.3	W	64.4	78.7	75.1	68.7
September 1992 .....	83.4	W	73.0	W	-	70.3	83.4	W	72.9	83.3	83.4	76.3
<b>Minnesota</b>												
September 1993 .....	82.6	W	69.3	85.7	-	W	83.2	W	68.2	81.3	NA	69.3
August 1993 .....	82.5	W	70.4	85.8	-	W	83.1	W	69.4	80.6	80.1	67.1
September 1992 .....	93.5	W	77.9	90.4	-	-	92.7	W	77.9	87.8	87.3	76.5
<b>Missouri</b>												
September 1993 .....	77.6	-	64.9	74.7	-	54.6	76.7	-	64.2	75.0	72.8	65.2
August 1993 .....	78.9	W	67.1	75.4	-	57.8	77.8	W	66.6	76.0	72.9	65.3
September 1992 .....	85.2	W	74.2	83.8	-	68.9	84.8	W	73.7	79.6	84.1	74.6

See footnotes at end of table.

**Table 33. Refiner/Reseller Unleaded Midgrade Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Nebraska</b>												
September 1993 .....	W	-	-	W	-	W	77.2	-	W	79.1	76.9	65.4
August 1993 .....	W	-	-	W	-	W	76.7	-	W	79.2	79.1	66.3
September 1992 .....	W	-	W	W	-	W	81.2	-	W	90.0	W	NA
<b>North Dakota</b>												
September 1993 .....	W	-	W	-	-	-	W	-	W	91.4	79.6	69.5
August 1993 .....	W	-	W	-	-	-	W	-	W	91.3	W	70.2
September 1992 .....	93.1	W	W	-	-	-	93.1	W	W	93.5	91.7	80.0
<b>Ohio</b>												
September 1993 .....	78.6	W	63.9	73.0	W	W	76.4	66.6	63.8	73.5	79.4	65.2
August 1993 .....	80.4	W	66.8	75.2	W	61.8	80.2	66.7	66.7	77.1	80.9	67.9
September 1992 .....	85.4	77.5	74.8	81.9	W	69.6	85.2	77.7	74.5	81.7	81.9	71.6
<b>Oklahoma</b>												
September 1993 .....	72.4	W	58.7	72.4	W	57.6	72.4	58.5	58.5	73.1	NA	67.1
August 1993 .....	75.1	W	59.8	73.9	W	59.2	74.8	58.5	59.7	74.2	65.0	67.5
September 1992 .....	83.7	W	69.8	81.9	W	68.7	83.3	68.9	69.7	80.0	73.9	72.8
<b>South Dakota</b>												
September 1993 .....	W	-	W	W	-	-	W	-	W	84.6	86.9	NA
August 1993 .....	W	-	W	W	-	-	W	-	W	83.9	85.0	72.2
September 1992 .....	W	-	W	W	-	-	W	-	W	83.4	94.2	72.9
<b>Tennessee</b>												
September 1993 .....	79.5	57.7	59.4	W	W	54.8	78.8	57.2	59.1	77.0	66.4	65.1
August 1993 .....	81.2	60.3	62.3	W	W	57.7	80.3	59.7	62.0	78.0	68.7	68.8
September 1992 .....	85.8	69.5	70.6	W	W	64.8	85.3	69.1	70.2	84.7	76.6	75.1
<b>Wisconsin</b>												
September 1993 .....	78.0	-	62.4	W	-	W	77.2	-	61.9	77.0	84.0	65.5
August 1993 .....	79.1	-	64.8	W	-	W	78.4	-	64.3	77.3	85.4	68.5
September 1992 .....	89.7	-	74.3	83.7	-	W	88.2	-	73.9	87.4	84.0	73.3
<b>PAD District III Average</b>												
September 1993 .....	82.0	56.6	60.3	78.7	53.6	54.9	80.9	55.8	59.3	78.8	70.4	65.2
August 1993 .....	83.3	58.5	62.6	80.0	57.5	58.3	82.2	58.2	61.8	79.8	70.4	67.8
September 1992 .....	87.3	67.3	70.3	85.9	65.7	66.2	86.8	67.0	69.5	84.2	77.0	74.7
<b>Alabama</b>												
September 1993 .....	79.4	55.7	59.0	76.1	W	54.2	78.8	55.6	58.6	78.9	70.7	70.0
August 1993 .....	81.2	58.2	61.8	77.6	W	57.8	80.6	58.2	61.5	81.1	89.6	71.1
September 1992 .....	86.3	66.7	70.1	85.2	W	65.6	86.0	66.7	69.5	86.3	81.3	79.0
<b>Arkansas</b>												
September 1993 .....	79.2	-	58.3	W	W	55.1	80.8	W	W	79.4	68.7	61.5
August 1993 .....	82.0	-	60.8	W	W	57.3	82.4	W	60.0	80.0	66.6	62.5
September 1992 .....	89.2	-	69.4	W	W	65.7	86.8	W	68.3	81.2	77.5	70.4
<b>Louisiana</b>												
September 1993 .....	84.2	W	61.9	80.2	-	55.1	83.5	W	60.7	80.8	71.0	66.3
August 1993 .....	84.7	W	64.0	82.3	W	58.7	84.3	W	63.1	81.1	73.6	68.5
September 1992 .....	88.1	67.5	71.0	87.7	W	65.8	88.0	67.8	69.9	83.5	80.1	78.3
<b>Mississippi</b>												
September 1993 .....	77.9	W	57.6	78.6	54.7	54.4	78.2	56.3	57.0	77.6	70.6	66.9
August 1993 .....	79.8	W	60.6	81.0	59.3	57.2	80.2	59.0	59.9	78.1	72.0	69.5
September 1992 .....	84.0	W	68.0	84.1	65.3	66.0	84.0	66.5	67.7	83.9	79.7	73.0
<b>New Mexico</b>												
September 1993 .....	W	-	74.2	-	-	66.7	W	-	72.5	87.7	NA	70.9
August 1993 .....	W	-	74.7	-	-	67.9	W	-	72.9	89.4	NA	75.4
September 1992 .....	W	-	78.5	-	-	78.6	W	-	78.5	93.9	NA	78.8
<b>Texas</b>												
September 1993 .....	81.8	W	60.7	78.3	53.3	54.7	80.7	55.7	59.4	77.5	68.9	64.4
August 1993 .....	83.2	59.5	62.7	79.7	57.2	58.2	82.0	58.4	W	78.7	69.0	67.9
September 1992 .....	87.1	67.7	70.7	85.9	W	68.3	86.7	67.1	W	84.1	75.1	74.0
<b>PAD District IV Average</b>												
September 1993 .....	84.3	-	68.7	W	-	65.5	85.3	-	68.5	84.5	68.8	NA
August 1993 .....	84.5	-	68.1	W	-	65.6	85.5	-	67.9	84.2	68.2	NA
September 1992 .....	91.4	-	81.3	W	-	73.7	93.0	-	79.0	92.6	83.7	78.3

See footnotes at end of table.

**Table 33. Refiner/Reseller Unleaded Midgrade Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Colorado</b>												
September 1993 .....	86.0	-	86.3	W	-	64.1	86.6	-	86.0	87.7	67.3	NA
August 1993 .....	87.3	-	87.9	W	-	64.5	87.3	-	87.6	88.6	66.1	68.1
September 1992 .....	83.4	-	81.7	W	-	73.4	94.7	-	78.6	95.2	80.6	79.9
<b>Idaho</b>												
September 1993 .....	-	-	W	-	-	-	-	-	W	85.3	-	NA
August 1993 .....	-	-	W	-	-	-	-	-	W	NA	W	NA
September 1992 .....	-	-	-	-	-	-	-	-	-	W	81.5	W
<b>Montana</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	W	W	-
August 1993 .....	-	-	-	-	-	-	-	-	-	W	W	-
September 1992 .....	-	-	-	-	-	-	-	-	-	W	W	-
<b>Utah</b>												
September 1993 .....	79.7	-	70.3	-	-	W	79.7	-	70.5	78.7	-	NA
August 1993 .....	77.6	-	69.3	-	-	W	77.5	-	69.5	77.7	-	69.5
September 1992 .....	86.7	-	W	-	-	W	86.7	-	80.6	84.6	W	75.9
<b>Wyoming</b>												
September 1993 .....	-	-	W	W	-	-	W	-	W	86.7	W	W
August 1993 .....	-	-	W	-	-	-	-	-	W	83.0	W	W
September 1992 .....	-	-	W	-	-	-	-	-	W	W	-	W
<b>PAD District V Average</b>												
September 1993 .....	83.3	73.5	75.0	76.3	W	66.6	81.5	73.8	74.0	85.6	82.2	76.0
August 1993 .....	84.0	71.9	73.8	76.5	W	64.6	82.0	72.2	72.8	86.3	80.5	75.2
September 1992 .....	92.5	78.0	83.2	83.1	W	72.7	91.1	78.1	82.5	93.6	87.5	79.4
<b>Alaska</b>												
September 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
August 1993 .....	-	-	-	-	-	-	-	-	-	-	-	-
September 1992 .....	-	-	-	-	-	-	-	-	-	-	-	-
<b>Arizona</b>												
September 1993 .....	82.8	-	78.1	-	-	W	82.8	-	76.2	90.4	W	76.4
August 1993 .....	83.7	-	77.7	-	-	W	83.7	-	77.5	89.5	W	75.6
September 1992 .....	88.2	-	81.9	-	-	W	88.2	-	82.2	89.1	-	77.9
<b>California</b>												
September 1993 .....	83.1	72.6	74.6	75.6	W	66.6	81.2	72.6	73.6	83.0	82.6	77.3
August 1993 .....	83.8	70.9	73.4	75.8	W	64.6	81.6	70.8	72.4	84.2	80.0	75.4
September 1992 .....	92.5	77.2	83.2	82.1	W	72.6	90.9	77.0	82.5	94.1	86.9	79.0
<b>Hawaii</b>												
September 1993 .....	W	W	97.1	W	W	W	109.2	W	97.0	113.6	NA	W
August 1993 .....	W	W	97.2	W	W	W	109.1	W	97.0	113.6	NA	W
September 1992 .....	W	W	96.8	W	W	W	116.3	W	96.5	W	W	W
<b>Nevada</b>												
September 1993 .....	70.5	W	72.4	W	-	-	71.6	W	72.4	87.4	74.4	72.6
August 1993 .....	71.3	W	71.5	W	-	-	72.5	W	71.5	86.5	73.5	71.4
September 1992 .....	NA	W	77.0	W	-	W	NA	W	77.0	90.7	75.9	63.6
<b>Oregon</b>												
September 1993 .....	W	-	-	-	-	W	W	-	W	W	-	-
August 1993 .....	W	-	-	-	-	W	W	-	W	W	-	-
September 1992 .....	W	-	W	-	-	-	W	-	W	-	-	-
<b>Washington</b>												
September 1993 .....	W	-	W	-	-	-	W	-	W	W	W	W
August 1993 .....	W	-	W	-	-	-	W	-	W	W	W	W
September 1992 .....	-	-	W	-	-	-	-	-	W	-	W	W

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Refiners and Gas Plant Operators: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report;" Resellers: Energy Information Administration Form EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 34. Refiner/Reseller Premium Gasoline Prices  
by Seller, PAD District, and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>U.S. Average</b>												
September 1993 .....	90.1	69.7	72.2	85.7	66.8	81.6	89.2	68.9	70.9	87.2	80.0	71.4
August 1993 .....	91.3	70.5	73.8	86.2	69.1	83.0	90.2	70.2	72.4	88.5	80.7	73.1
September 1992 .....	96.2	79.8	82.2	94.1	80.0	72.1	95.8	79.8	80.9	94.0	87.1	81.4
<b>PAD District I Average</b>												
September 1993 .....	90.7	64.8	71.8	85.5	64.6	59.9	90.1	64.7	70.9	87.7	77.6	70.4
August 1993 .....	92.0	66.7	73.7	87.3	67.2	62.5	91.5	66.9	72.9	89.5	79.2	72.9
September 1992 .....	95.8	77.1	81.6	93.4	76.0	71.2	95.5	76.7	80.8	95.6	85.7	81.5
<b>Subdistrict IA Average</b>												
September 1993 .....	95.2	68.4	71.9	-	W	59.8	95.2	61.9	71.4	90.2	72.7	70.2
August 1993 .....	96.7	67.5	73.8	-	W	63.6	96.7	64.3	73.4	91.7	76.1	73.5
September 1992 .....	103.7	79.4	83.5	-	W	W	103.7	76.2	82.0	99.8	82.8	84.5
<b>Connecticut</b>												
September 1993 .....	W	W	73.5	-	W	W	W	61.6	73.0	92.2	73.4	73.0
August 1993 .....	W	67.3	75.1	-	W	W	W	66.0	74.8	94.1	73.4	76.8
September 1992 .....	W	W	83.1	-	W	W	W	76.3	82.9	100.9	82.2	87.9
<b>Maine</b>												
September 1993 .....	-	W	65.5	-	W	W	-	W	65.2	95.7	75.7	71.4
August 1993 .....	-	W	68.6	-	W	W	-	W	68.4	96.5	79.1	73.9
September 1992 .....	-	W	80.3	-	W	W	-	W	79.9	101.7	88.2	82.7
<b>Massachusetts</b>												
September 1993 .....	94.8	73.3	71.9	-	W	W	94.8	W	71.4	88.3	69.0	67.2
August 1993 .....	96.6	NA	74.1	-	W	W	96.6	W	73.8	89.9	72.7	69.7
September 1992 .....	104.3	W	84.0	-	W	W	104.3	73.7	83.5	98.8	79.5	81.8
<b>New Hampshire</b>												
September 1993 .....	93.2	-	73.7	-	W	W	93.2	W	72.9	92.4	78.1	75.9
August 1993 .....	94.8	-	74.7	-	W	W	94.8	W	W	93.9	NA	78.8
September 1992 .....	W	W	84.8	-	W	W	W	W	W	102.1	91.5	86.4
<b>Rhode Island</b>												
September 1993 .....	88.4	W	72.2	-	W	W	88.4	61.3	71.2	81.3	77.9	61.8
August 1993 .....	89.1	W	73.7	-	W	W	89.1	67.0	73.0	83.2	82.2	66.5
September 1992 .....	99.1	W	84.8	-	-	W	99.1	W	82.0	94.4	76.8	79.0
<b>Vermont</b>												
September 1993 .....	-	-	W	-	-	W	-	-	73.4	96.4	81.7	80.1
August 1993 .....	-	-	W	-	-	W	-	-	74.4	95.7	80.8	81.0
September 1992 .....	-	-	W	-	-	W	-	-	83.7	101.8	89.6	91.2
<b>Subdistrict IB Average</b>												
September 1993 .....	91.0	65.6	73.1	87.8	67.8	82.1	90.6	66.6	72.5	85.5	77.8	69.2
August 1993 .....	92.0	67.9	74.5	89.4	69.7	84.6	91.7	68.8	73.8	87.3	79.0	71.7
September 1992 .....	98.6	79.6	83.3	95.8	77.8	73.1	98.3	78.5	82.8	95.8	85.5	80.1
<b>Delaware</b>												
September 1993 .....	W	W	69.9	-	-	W	W	W	69.7	82.5	77.2	70.5
August 1993 .....	W	W	71.3	-	-	W	W	W	71.0	84.7	79.4	71.9
September 1992 .....	W	W	82.0	-	-	70.5	W	W	81.5	95.7	88.9	79.7
<b>District of Columbia</b>												
September 1993 .....	-	W	76.6	-	-	W	-	W	76.6	W	W	65.1
August 1993 .....	-	W	80.1	-	-	-	-	W	80.1	W	W	65.5
September 1992 .....	-	W	88.8	-	-	-	-	W	88.8	W	78.6	73.9
<b>Maryland</b>												
September 1993 .....	-	64.2	72.4	-	-	73.7	-	84.2	72.5	83.3	78.8	69.7
August 1993 .....	-	65.3	73.9	NA	W	75.0	NA	65.0	73.9	86.1	79.3	70.5
September 1992 .....	-	76.5	83.3	W	-	83.5	W	76.5	83.3	95.6	84.3	82.0
<b>New Jersey</b>												
September 1993 .....	95.7	64.4	72.9	W	W	58.2	95.4	64.2	72.2	90.8	76.5	66.5
August 1993 .....	96.6	66.8	73.8	W	W	61.8	96.4	66.2	73.1	91.6	77.1	70.9
September 1992 .....	104.1	79.3	83.6	W	W	69.6	103.9	75.9	83.0	98.9	85.0	77.7
<b>New York</b>												
September 1993 .....	90.9	68.1	77.6	W	W	59.1	89.9	66.8	76.4	91.0	73.7	69.3
August 1993 .....	91.1	70.8	77.8	W	W	W	90.4	69.8	76.6	91.0	74.7	70.9
September 1992 .....	96.0	80.7	84.7	W	W	71.3	95.4	77.6	84.1	96.4	82.8	80.8
<b>Pennsylvania</b>												
September 1993 .....	86.8	69.4	68.2	91.2	75.3	83.4	87.4	73.3	67.9	79.8	82.2	72.2
August 1993 .....	88.3	71.5	71.4	92.7	75.4	85.1	88.9	74.2	70.8	82.6	84.4	74.2
September 1992 .....	96.3	84.0	80.7	99.8	84.2	71.9	96.8	84.1	79.9	93.7	90.9	82.1

See footnotes at end of table.

**Table 34. Refiner/Reseller Premium Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Subdistrict IC Average</b>												
September 1993 .....	90.1	64.0	70.1	84.3	63.7	58.5	89.4	63.9	69.1	88.1	78.5	71.4
August 1993 .....	91.5	66.0	72.8	86.1	66.9	60.6	90.8	66.2	71.7	89.9	80.2	73.5
September 1992 .....	93.3	76.0	78.7	92.2	73.8	69.7	93.2	75.4	77.9	94.4	86.5	81.7
<b>Florida</b>												
September 1993 .....	92.0	W	76.5	86.2	W	61.0	91.6	62.3	75.3	90.8	78.9	73.1
August 1993 .....	93.8	W	78.8	88.5	W	62.0	93.4	64.6	77.7	92.1	80.1	76.0
September 1992 .....	93.2	73.8	81.3	92.7	W	70.5	93.2	73.2	80.4	97.4	86.8	83.6
<b>Georgia</b>												
September 1993 .....	86.0	62.5	66.6	81.0	-	58.0	85.5	62.5	65.6	87.2	82.2	70.4
August 1993 .....	87.0	64.8	69.5	82.9	W	60.1	86.6	64.8	68.4	88.8	83.6	73.4
September 1992 .....	90.1	74.4	76.9	88.0	-	69.4	89.9	74.4	76.1	94.9	85.0	82.6
<b>North Carolina</b>												
September 1993 .....	86.2	65.8	64.2	W	W	57.7	85.2	65.1	63.7	85.6	73.9	71.6
August 1993 .....	88.1	66.9	67.2	W	W	59.8	87.1	66.9	66.4	88.2	73.9	72.4
September 1992 .....	92.4	74.0	75.3	W	-	69.0	91.8	74.0	74.7	91.3	85.3	80.5
<b>South Carolina</b>												
September 1993 .....	83.3	65.1	64.1	W	-	57.8	82.8	65.1	63.5	88.4	77.0	67.9
August 1993 .....	84.6	66.5	67.3	W	-	60.5	84.3	66.5	66.6	90.3	81.0	70.6
September 1992 .....	90.4	75.5	76.0	W	-	68.9	90.4	75.5	75.5	94.7	82.9	78.1
<b>Virginia</b>												
September 1993 .....	93.8	63.2	69.9	W	61.0	56.4	90.4	62.9	68.4	88.1	75.9	71.7
August 1993 .....	95.0	65.2	72.2	W	62.7	60.0	91.6	65.0	70.9	89.7	79.2	74.6
September 1992 .....	99.0	79.0	79.5	W	W	69.1	97.5	79.0	78.4	94.6	88.9	82.0
<b>West Virginia</b>												
September 1993 .....	96.8	77.3	68.7	91.8	W	W	95.0	75.6	67.7	85.8	79.0	76.5
August 1993 .....	95.6	79.7	71.7	92.1	W	64.7	94.3	77.9	70.9	89.5	79.6	78.3
September 1992 .....	104.2	86.5	80.5	95.3	W	75.3	101.2	86.8	79.8	94.4	87.1	86.3
<b>PAD District II Average</b>												
September 1993 .....	85.1	70.6	67.2	79.5	64.4	61.1	83.6	70.2	66.3	83.2	78.3	69.8
August 1993 .....	87.3	71.3	69.5	79.1	69.7	62.9	85.0	71.2	68.5	84.2	79.7	71.6
September 1992 .....	92.8	80.2	78.2	89.1	80.2	72.2	91.9	80.2	77.2	89.7	87.7	79.4
<b>Illinois</b>												
September 1993 .....	85.5	71.9	69.3	W	W	60.0	83.5	71.4	68.7	82.6	77.1	67.1
August 1993 .....	87.7	69.8	71.7	W	-	59.5	85.2	69.8	70.2	83.5	78.8	68.5
September 1992 .....	92.4	85.4	78.9	W	-	69.2	91.5	85.4	77.6	90.5	87.7	80.7
<b>Indiana</b>												
September 1993 .....	79.9	61.9	66.4	W	W	59.6	78.9	61.6	65.6	82.7	80.5	69.8
August 1993 .....	80.7	64.9	68.7	W	W	62.4	79.6	64.2	67.9	83.5	79.8	71.9
September 1992 .....	89.9	W	78.1	W	W	71.7	88.8	80.0	77.3	88.3	88.2	79.2
<b>Iowa</b>												
September 1993 .....	81.8	-	68.9	78.0	-	63.2	79.2	-	67.8	79.4	80.0	68.0
August 1993 .....	80.3	-	69.4	75.9	-	64.5	77.3	-	68.4	77.7	79.3	69.7
September 1992 .....	90.7	-	77.4	86.9	-	73.8	88.0	-	76.7	87.6	91.5	78.5
<b>Kansas</b>												
September 1993 .....	86.4	W	66.6	79.1	W	62.7	82.4	84.6	64.6	82.4	79.1	68.8
August 1993 .....	87.6	W	67.6	79.5	W	64.1	83.1	W	65.9	83.4	79.2	69.6
September 1992 .....	95.1	W	76.9	86.4	W	72.1	90.4	W	74.3	90.5	85.0	78.3
<b>Kentucky</b>												
September 1993 .....	89.6	71.2	66.0	82.9	-	61.7	89.3	71.2	65.8	86.1	78.8	73.9
August 1993 .....	91.9	76.9	69.2	86.1	-	64.4	91.6	76.9	69.0	88.4	79.3	75.7
September 1992 .....	94.1	84.0	78.3	85.2	-	71.2	93.2	84.0	77.7	91.9	85.9	83.0
<b>Michigan</b>												
September 1993 .....	83.5	70.7	67.7	W	W	61.4	81.7	70.6	67.0	83.5	78.6	68.9
August 1993 .....	84.7	71.1	69.7	W	-	63.9	80.9	71.1	69.1	85.3	80.6	71.2
September 1992 .....	91.5	77.8	79.3	W	-	75.3	91.1	77.8	78.9	90.3	92.1	80.6
<b>Minnesota</b>												
September 1993 .....	89.4	W	71.5	91.3	W	65.8	89.9	W	70.2	89.9	80.9	72.6
August 1993 .....	89.6	-	72.2	90.7	W	66.9	89.8	W	71.0	89.6	81.3	71.2
September 1992 .....	92.3	W	80.8	96.2	W	75.0	93.2	78.0	79.0	91.4	90.8	78.8
<b>Missouri</b>												
September 1993 .....	87.6	W	67.1	80.6	-	60.3	84.8	W	65.8	80.8	NA	67.6
August 1993 .....	88.7	W	68.8	81.1	W	63.0	85.5	W	67.6	81.3	75.8	68.2
September 1992 .....	93.8	W	78.0	88.8	-	72.7	92.0	W	76.7	86.0	84.2	77.1

See footnotes at end of table.

**Table 34. Refiner/Reseller Premium Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Nebraska</b>												
September 1993 .....	W	-	68.8	80.6	W	64.5	84.8	W	67.8	81.4	74.1	67.7
August 1993 .....	W	-	69.5	W	W	65.0	84.2	W	68.4	81.2	73.9	68.3
September 1992 .....	W	-	79.2	89.0	-	74.4	92.7	-	78.2	88.6	W	76.9
<b>North Dakota</b>												
September 1993 .....	93.6	-	75.6	-	-	67.7	93.6	-	73.5	90.2	88.5	71.7
August 1993 .....	98.1	-	76.2	-	-	67.1	98.1	-	73.4	89.9	88.8	71.4
September 1992 .....	96.9	-	84.7	W	-	76.5	96.5	-	82.2	96.0	94.1	86.3
<b>Ohio</b>												
September 1993 .....	84.7	74.5	68.1	W	W	60.6	83.2	74.7	67.8	80.4	82.6	69.4
August 1993 .....	88.7	75.9	71.4	W	W	63.6	86.5	76.1	70.9	83.7	86.5	72.4
September 1992 .....	93.3	83.3	79.2	W	W	73.1	92.8	83.4	78.9	89.7	82.7	76.8
<b>Oklahoma</b>												
September 1993 .....	80.9	63.5	62.6	78.6	W	61.0	80.3	62.8	62.0	77.9	NA	69.4
August 1993 .....	83.7	63.3	63.0	80.0	W	62.2	82.7	63.0	62.7	78.3	69.3	70.0
September 1992 .....	90.5	73.6	73.5	88.9	-	71.8	89.8	73.6	73.0	85.3	76.9	76.5
<b>South Dakota</b>												
September 1993 .....	W	-	74.1	W	-	71.3	87.7	-	73.4	91.6	85.0	78.9
August 1993 .....	W	-	72.6	W	-	69.4	87.8	-	71.6	91.6	83.3	76.8
September 1992 .....	W	-	81.9	W	-	78.6	92.7	-	80.9	98.6	98.4	81.9
<b>Tennessee</b>												
September 1993 .....	88.6	61.6	64.9	84.7	W	57.7	87.4	61.3	64.0	85.4	71.5	72.6
August 1993 .....	90.1	64.0	67.9	85.2	W	61.0	88.5	63.7	67.0	86.5	73.0	76.3
September 1992 .....	94.9	74.3	76.3	91.3	W	69.3	93.8	73.8	75.3	91.6	84.1	81.4
<b>Wisconsin</b>												
September 1993 .....	82.9	68.4	66.4	W	-	61.7	81.7	66.4	65.4	82.7	82.6	68.4
August 1993 .....	84.0	W	68.7	W	W	64.2	83.0	81.5	67.8	83.7	82.6	70.6
September 1992 .....	93.7	W	78.6	W	W	73.7	92.5	W	77.6	91.9	90.4	77.7
<b>PAD District III Average</b>												
September 1993 .....	89.5	64.3	65.6	87.8	58.4	57.1	89.1	63.2	63.2	87.0	75.7	71.1
August 1993 .....	90.9	66.4	68.7	89.5	62.8	59.2	90.5	65.7	65.9	88.2	76.2	73.4
September 1992 .....	94.1	73.2	76.1	94.4	73.4	68.2	94.2	73.2	74.1	91.7	82.3	80.0
<b>Alabama</b>												
September 1993 .....	88.9	62.4	64.8	81.6	W	57.9	87.1	61.7	63.8	89.4	74.9	76.8
August 1993 .....	90.6	64.9	67.7	82.7	W	61.0	88.7	64.4	66.7	91.2	75.2	78.1
September 1992 .....	95.6	74.5	75.8	91.9	W	69.4	94.8	72.8	74.9	95.2	86.1	86.2
<b>Arkansas</b>												
September 1993 .....	89.7	-	64.0	W	-	59.2	87.9	-	62.4	87.9	72.2	67.5
August 1993 .....	93.0	-	66.3	W	W	61.3	90.7	W	64.9	88.7	69.7	68.1
September 1992 .....	94.8	W	75.2	W	-	70.4	93.5	W	73.8	89.3	82.4	75.4
<b>Louisiana</b>												
September 1993 .....	91.2	60.9	68.1	90.7	W	57.3	91.2	61.4	65.8	88.8	76.1	73.4
August 1993 .....	91.8	62.4	71.0	94.3	NA	59.7	92.1	62.9	68.4	89.5	78.3	75.0
September 1992 .....	94.9	72.9	77.2	95.7	NA	69.8	94.9	73.9	75.9	89.9	80.3	83.8
<b>Mississippi</b>												
September 1993 .....	87.7	62.1	61.6	85.6	57.7	57.8	86.9	61.0	60.8	86.0	77.4	72.5
August 1993 .....	88.5	63.6	66.0	88.5	62.0	60.8	88.5	63.0	65.0	87.0	78.4	74.7
September 1992 .....	92.4	72.4	75.7	89.1	W	69.1	90.9	71.4	73.8	91.9	87.0	79.3
<b>New Mexico</b>												
September 1993 .....	101.2	W	76.4	101.0	-	71.3	101.1	W	75.3	93.4	87.3	81.2
August 1993 .....	101.1	W	76.7	101.3	-	71.2	101.3	W	75.5	95.8	85.6	81.8
September 1992 .....	105.5	W	83.7	102.9	-	80.8	103.8	W	83.0	99.4	93.7	89.2
<b>Texas</b>												
September 1993 .....	89.1	65.0	65.6	87.2	58.0	56.2	88.7	63.2	62.4	84.5	75.1	69.4
August 1993 .....	90.6	67.1	68.8	88.8	62.5	58.2	90.1	66.0	64.9	85.6	76.7	72.7
September 1992 .....	93.8	72.8	75.7	94.2	76.1	66.8	93.9	73.1	73.0	91.0	79.2	78.2
<b>PAD District IV Average</b>												
September 1993 .....	91.8	W	74.3	96.1	W	71.0	93.2	72.6	73.3	89.5	84.8	77.2
August 1993 .....	91.6	W	72.6	96.1	W	70.3	93.1	69.8	72.0	89.1	84.0	75.2
September 1992 .....	99.3	W	83.1	105.2	W	79.8	101.1	80.9	81.9	97.5	92.6	85.5

See footnotes at end of table.

**Table 34. Refiner/Reseller Premium Gasoline Prices  
by Seller, PAD District, and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Major Refiners			Other Refiners			All Refiners			Resellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Colorado</b>												
September 1993 .....	85.9	W	72.9	97.2	W	86.6	96.5	71.1	70.7	94.1	82.6	73.8
August 1993 .....	97.2	W	71.9	97.3	W	87.1	97.2	70.1	70.4	94.6	81.5	72.6
September 1992 .....	102.8	W	84.5	106.2	W	77.9	104.1	W	81.6	100.2	90.2	84.4
<b>Idaho</b>												
September 1993 .....	-	W	76.6	W	-	75.1	W	W	76.3	84.4	86.8	81.6
August 1993 .....	-	W	75.4	W	-	74.0	W	W	75.1	83.8	87.0	80.0
September 1992 .....	W	W	85.1	W	-	83.0	100.7	W	84.7	97.9	93.6	88.6
<b>Montana</b>												
September 1993 .....	-	-	76.8	W	-	76.3	W	-	76.6	97.2	86.2	79.5
August 1993 .....	-	-	75.3	W	-	75.0	W	-	75.2	94.8	89.2	76.3
September 1992 .....	W	-	82.6	W	-	83.3	W	-	82.9	98.9	99.3	86.6
<b>Utah</b>												
September 1993 .....	85.3	W	73.1	W	W	72.0	85.3	72.1	72.9	85.5	81.1	NA
August 1993 .....	82.9	W	70.5	W	W	69.9	82.9	W	70.4	85.1	80.4	74.9
September 1992 .....	91.9	W	81.1	W	W	79.3	91.9	W	80.6	91.6	89.5	83.4
<b>Wyoming</b>												
September 1993 .....	W	-	74.9	W	W	73.5	89.3	W	74.4	93.2	NA	79.1
August 1993 .....	W	W	72.9	W	W	71.2	89.5	71.5	72.3	92.9	85.7	76.4
September 1992 .....	W	W	82.8	W	W	82.1	89.9	W	82.5	105.8	100.1	88.5
<b>PAD District V Average</b>												
September 1993 .....	98.9	81.6	83.2	94.8	80.1	72.3	96.5	81.2	92.1	99.7	90.7	80.2
August 1993 .....	96.7	79.3	82.2	94.6	79.5	70.8	96.3	79.4	81.2	98.1	88.5	77.1
September 1992 .....	103.3	85.6	91.2	101.4	86.8	76.9	102.9	86.0	89.6	103.3	95.2	88.6
<b>Alaska</b>												
September 1993 .....	W	W	86.0	108.8	W	W	107.1	W	85.1	NA	107.3	96.2
August 1993 .....	W	-	85.8	108.5	W	W	107.1	W	84.2	NA	104.1	96.2
September 1992 .....	W	W	92.0	111.0	W	W	109.9	W	91.2	124.1	105.1	101.1
<b>Arizona</b>												
September 1993 .....	100.7	W	86.6	W	-	77.2	100.7	W	86.1	100.9	NA	87.6
August 1993 .....	99.6	W	84.4	W	-	76.3	99.5	W	84.0	100.8	81.1	89.1
September 1992 .....	101.4	W	86.6	W	W	77.5	101.5	W	85.8	101.7	91.5	90.9
<b>California</b>												
September 1993 .....	95.8	80.8	82.6	89.9	W	71.1	94.5	80.8	81.2	93.6	90.1	77.5
August 1993 .....	95.8	78.6	81.8	90.0	W	69.3	94.5	78.5	80.5	92.7	87.2	72.6
September 1992 .....	103.8	85.0	91.8	99.6	W	75.8	102.7	84.9	89.8	101.8	94.7	86.3
<b>Hawaii</b>												
September 1993 .....	W	W	104.6	W	W	W	117.7	W	103.7	132.1	111.6	115.4
August 1993 .....	W	W	104.9	W	W	W	117.7	W	103.7	132.4	113.8	115.5
September 1992 .....	W	W	103.9	W	W	W	119.0	87.8	103.3	W	123.5	115.2
<b>Nevada</b>												
September 1993 .....	92.8	-	81.8	W	-	76.5	92.6	-	81.1	102.1	83.0	80.2
August 1993 .....	93.0	W	79.7	W	-	76.4	92.7	W	79.5	101.1	82.1	78.0
September 1992 .....	97.1	W	86.5	W	W	83.0	97.0	87.0	86.3	103.9	84.9	88.5
<b>Oregon</b>												
September 1993 .....	102.4	W	82.7	W	W	78.6	102.4	W	82.5	100.2	93.9	NA
August 1993 .....	102.3	W	82.2	W	W	74.9	102.6	W	81.7	100.0	92.9	89.4
September 1992 .....	105.1	W	88.3	W	-	84.1	105.9	W	88.0	108.4	97.6	96.0
<b>Washington</b>												
September 1993 .....	94.7	W	81.1	W	-	78.2	94.9	W	W	96.0	89.1	84.9
August 1993 .....	94.8	W	79.7	W	-	75.1	94.8	W	W	95.4	86.5	82.6
September 1992 .....	100.6	W	88.4	W	W	83.8	100.7	87.8	W	101.7	95.1	90.5

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Refiners and Gas Plant Operators: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report;" Resellers: Energy Information Administration Form EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 35. Refiner Prices of Aviation Fuels and Propane  
by PAD District and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>U.S. Average</b>						
September 1993 .....	98.2	98.3	58.9	56.8	69.0	34.1
August 1993 .....	98.8	96.9	54.8	55.2	63.1	33.3
September 1992 .....	104.9	102.3	64.6	64.3	60.3	35.4
<b>PAD District I Average</b>						
September 1993 .....	96.0	92.6	55.4	57.0	W	35.7
August 1993 .....	96.8	93.2	52.8	54.4	NA	36.1
September 1992 .....	103.5	99.8	64.8	65.3	82.3	41.9
<b>Subdistrict IA Average</b>						
September 1993 .....	W	W	58.4	60.2	NA	NA
August 1993 .....	W	W	56.1	57.8	W	37.3
September 1992 .....	W	W	67.8	70.2	W	42.9
<b>Connecticut</b>						
September 1993 .....	W	W	58.0	W	W	38.2
August 1993 .....	W	W	55.6	W	W	38.0
September 1992 .....	W	W	66.8	W	W	43.5
<b>Maine</b>						
September 1993 .....	W	-	W	W	W	W
August 1993 .....	W	-	W	W	W	38.0
September 1992 .....	W	-	W	W	W	W
<b>Massachusetts</b>						
September 1993 .....	W	W	57.4	60.0	W	NA
August 1993 .....	W	W	55.0	57.3	W	36.3
September 1992 .....	W	W	66.6	69.7	W	43.1
<b>New Hampshire</b>						
September 1993 .....	W	W	60.4	W	NA	NA
August 1993 .....	W	W	57.3	W	W	NA
September 1992 .....	W	W	69.9	W	W	39.9
<b>Rhode Island</b>						
September 1993 .....	W	W	59.5	W	-	W
August 1993 .....	W	W	56.8	W	-	NA
September 1992 .....	W	W	69.0	W	-	45.4
<b>Vermont</b>						
September 1993 .....	W	W	W	W	NA	39.8
August 1993 .....	W	W	W	-	NA	34.9
September 1992 .....	W	W	W	W	W	46.1
<b>Subdistrict IB Average</b>						
September 1993 .....	97.6	90.9	54.9	55.7	W	32.6
August 1993 .....	98.3	91.8	52.2	53.3	35.1	32.9
September 1992 .....	105.6	101.5	64.1	63.7	W	36.4
<b>Delaware</b>						
September 1993 .....	W	W	62.1	W	-	W
August 1993 .....	W	W	61.3	W	-	W
September 1992 .....	W	W	72.4	W	-	W
<b>District of Columbia</b>						
September 1993 .....	-	-	W	-	-	-
August 1993 .....	W	-	W	-	-	-
September 1992 .....	W	-	-	-	-	-
<b>Maryland</b>						
September 1993 .....	W	W	55.1	W	NA	36.3
August 1993 .....	W	W	52.1	W	-	34.3
September 1992 .....	W	W	64.9	65.2	W	W
<b>New Jersey</b>						
September 1993 .....	95.7	W	54.5	54.7	W	31.7
August 1993 .....	96.6	W	51.9	52.7	W	33.8
September 1992 .....	105.4	101.8	63.7	62.8	NA	36.2
<b>New York</b>						
September 1993 .....	W	92.0	59.3	60.8	W	38.0
August 1993 .....	W	W	56.0	54.8	W	38.7
September 1992 .....	W	W	69.4	70.7	W	44.3
<b>Pennsylvania</b>						
September 1993 .....	W	97.2	55.0	55.8	W	31.9
August 1993 .....	W	96.7	52.1	53.1	W	32.0
September 1992 .....	W	102.4	64.0	64.7	W	37.9
<b>Subdistrict IC Average</b>						
September 1993 .....	94.0	93.1	55.4	58.7	NA	37.1
August 1993 .....	94.3	94.1	52.8	56.6	NA	37.5
September 1992 .....	101.5	98.5	65.1	66.7	77.9	43.8

See footnotes at end of table.

**Table 35. Refiner Prices of Aviation Fuels and Propane  
by PAD District and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Florida</b>						
September 1993 .....	91.9	89.7	55.7	58.9	W	39.7
August 1993 .....	91.4	91.8	53.3	56.8	W	40.3
September 1992 .....	99.2	96.4	66.1	70.2	93.9	47.1
<b>Georgia</b>						
September 1993 .....	96.3	97.5	54.6	56.8	W	35.9
August 1993 .....	97.0	W	51.9	55.3	W	36.2
September 1992 .....	102.2	99.8	63.7	67.2	W	43.2
<b>North Carolina</b>						
September 1993 .....	W	W	55.9	59.3	NA	37.1
August 1993 .....	W	W	53.3	56.7	W	37.3
September 1992 .....	106.8	W	64.8	71.5	W	42.8
<b>South Carolina</b>						
September 1993 .....	W	95.3	59.8	63.1	W	36.8
August 1993 .....	W	95.2	57.2	W	53.1	37.1
September 1992 .....	W	98.9	69.1	W	W	43.8
<b>Virginia</b>						
September 1993 .....	99.2	94.7	55.2	58.9	62.9	36.0
August 1993 .....	W	95.0	52.1	57.0	NA	37.7
September 1992 .....	107.4	W	64.4	66.0	64.1	44.5
<b>West Virginia</b>						
September 1993 .....	W	W	W	W	NA	W
August 1993 .....	W	W	W	W	NA	W
September 1992 .....	W	W	74.9	W	W	41.0
<b>PAD District II Average</b>						
September 1993 .....	94.6	94.6	55.8	57.8	71.8	36.1
August 1993 .....	96.1	95.2	53.2	54.4	74.5	34.3
September 1992 .....	98.1	96.7	64.6	66.0	63.3	32.2
<b>Illinois</b>						
September 1993 .....	W	W	54.5	57.2	70.1	36.2
August 1993 .....	W	W	51.7	54.5	73.3	34.5
September 1992 .....	W	W	63.4	65.9	67.2	33.5
<b>Indiana</b>						
September 1993 .....	94.8	95.3	54.4	56.1	76.1	37.3
August 1993 .....	W	95.6	51.6	51.7	82.8	36.6
September 1992 .....	96.8	95.3	63.5	63.5	64.7	35.4
<b>Iowa</b>						
September 1993 .....	W	95.1	W	63.8	W	37.8
August 1993 .....	W	95.1	57.3	59.6	W	36.6
September 1992 .....	W	98.1	68.5	70.4	W	31.9
<b>Kansas</b>						
September 1993 .....	W	92.0	W	W	W	34.7
August 1993 .....	W	93.1	W	W	W	33.1
September 1992 .....	W	96.9	63.1	73.7	W	28.8
<b>Kentucky</b>						
September 1993 .....	W	W	58.4	58.6	W	34.8
August 1993 .....	W	W	55.3	55.0	W	32.5
September 1992 .....	W	101.7	66.8	65.8	41.2	34.0
<b>Michigan</b>						
September 1993 .....	W	W	56.3	58.3	83.3	35.8
August 1993 .....	W	W	54.1	56.8	NA	34.9
September 1992 .....	W	W	65.0	68.3	85.5	35.9
<b>Minnesota</b>						
September 1993 .....	W	94.5	57.1	59.8	W	37.8
August 1993 .....	W	96.0	54.8	57.6	W	35.8
September 1992 .....	W	98.5	65.1	66.9	W	31.5
<b>Missouri</b>						
September 1993 .....	W	94.1	55.4	60.8	W	37.8
August 1993 .....	W	95.1	53.2	58.5	W	36.4
September 1992 .....	W	97.1	65.3	71.8	66.1	33.1
<b>Nebraska</b>						
September 1993 .....	W	93.8	57.4	63.0	W	37.7
August 1993 .....	W	93.5	54.9	59.5	W	36.9
September 1992 .....	W	97.6	66.0	75.1	W	31.3
<b>North Dakota</b>						
September 1993 .....	W	W	83.1	67.4	W	37.0
August 1993 .....	W	W	60.8	65.6	W	34.5
September 1992 .....	W	W	70.1	71.4	W	30.6

See footnotes at end of table.

**Table 35. Refiner Prices of Aviation Fuels and Propane  
by PAD District and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Ohio</b>						
September 1993 .....	W	99.0	56.6	58.5	80.0	35.8
August 1993 .....	W	97.2	53.6	55.7	87.7	33.6
September 1992 .....	W	93.3	66.0	66.0	74.4	36.4
<b>Oklahoma</b>						
September 1993 .....	W	91.4	55.1	55.6	50.3	34.3
August 1993 .....	W	91.6	52.1	51.3	NA	31.7
September 1992 .....	W	95.0	64.3	63.2	W	30.4
<b>South Dakota</b>						
September 1993 .....	W	W	62.4	W	W	38.6
August 1993 .....	W	W	61.0	W	W	37.3
September 1992 .....	W	99.2	72.4	W	W	32.2
<b>Tennessee</b>						
September 1993 .....	94.7	93.5	55.7	61.4	NA	39.6
August 1993 .....	W	94.0	54.2	58.0	NA	39.6
September 1992 .....	W	97.8	63.5	69.6	W	41.6
<b>Wisconsin</b>						
September 1993 .....	-	94.7	56.7	59.8	73.1	39.0
August 1993 .....	-	95.9	54.2	56.4	75.1	36.9
September 1992 .....	-	98.3	65.7	69.4	69.3	33.4
<b>PAD District III Average</b>						
September 1993 .....	92.8	85.3	53.2	53.7	40.4	31.1
August 1993 .....	93.4	86.3	50.6	52.7	38.3	31.4
September 1992 .....	101.3	94.3	62.1	61.8	41.1	36.6
<b>Alabama</b>						
September 1993 .....	95.8	94.6	58.6	60.7	77.2	34.5
August 1993 .....	96.0	95.9	55.9	57.2	79.3	34.5
September 1992 .....	103.4	100.0	67.3	70.0	73.0	41.3
<b>Arkansas</b>						
September 1993 .....	W	W	58.0	60.1	W	38.8
August 1993 .....	W	W	56.2	56.5	W	39.4
September 1992 .....	W	96.7	69.1	72.1	75.4	40.9
<b>Louisiana</b>						
September 1993 .....	W	87.7	52.7	53.5	35.9	31.1
August 1993 .....	W	90.5	50.4	50.2	34.6	31.0
September 1992 .....	W	99.2	61.3	61.9	41.7	36.4
<b>Mississippi</b>						
September 1993 .....	W	91.5	52.1	57.9	W	33.5
August 1993 .....	95.2	93.6	50.1	53.8	W	33.9
September 1992 .....	102.1	99.9	61.8	62.2	W	40.6
<b>New Mexico</b>						
September 1993 .....	W	W	60.2	58.9	W	33.3
August 1993 .....	W	W	56.9	56.2	W	32.0
September 1992 .....	W	W	64.2	67.8	31.3	32.1
<b>Texas</b>						
September 1993 .....	92.5	81.9	53.2	53.4	32.8	30.4
August 1993 .....	92.0	83.1	50.5	52.8	32.5	30.9
September 1992 .....	101.3	91.5	62.2	61.5	36.2	36.1
<b>PAD District IV Average</b>						
September 1993 .....	101.3	99.5	60.2	61.8	NA	34.8
August 1993 .....	101.6	100.7	57.6	60.8	NA	31.7
September 1992 .....	113.3	105.7	67.6	72.6	68.4	28.5
<b>Colorado</b>						
September 1993 .....	W	97.7	56.7	57.2	NA	35.5
August 1993 .....	W	98.1	53.6	56.8	66.7	32.4
September 1992 .....	W	103.5	64.6	70.2	70.3	29.7
<b>Idaho</b>						
September 1993 .....	W	110.8	70.4	74.4	W	40.4
August 1993 .....	W	111.5	69.2	72.6	W	37.4
September 1992 .....	W	113.6	75.5	77.9	W	28.2
<b>Montana</b>						
September 1993 .....	W	W	72.1	W	NA	34.6
August 1993 .....	W	W	67.9	W	NA	32.1
September 1992 .....	W	W	81.0	W	W	28.3

See footnotes at end of table.

**Table 35. Refiner Prices of Aviation Fuels and Propane  
by PAD District and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Utah</b>						
September 1993 .....	89.2	100.1	64.1	67.5	NA	36.4
August 1993 .....	86.0	101.2	62.1	64.6	NA	34.7
September 1992 .....	107.7	106.4	68.0	73.5	W	28.4
<b>Wyoming</b>						
September 1993 .....	103.0	W	76.4	W	54.4	33.5
August 1993 .....	W	W	74.4	W	43.3	30.2
September 1992 .....	110.9	W	80.2	W	W	27.5
<b>PAD District V Average</b>						
September 1993 .....	109.5	106.0	61.1	61.1	NA	38.8
August 1993 .....	108.4	106.7	59.4	59.3	NA	34.8
September 1992 .....	114.3	112.2	65.9	65.1	75.8	31.4
<b>Alaska</b>						
September 1993 .....	W	120.1	66.4	68.2	NA	W
August 1993 .....	W	119.4	64.3	W	NA	W
September 1992 .....	W	W	72.2	71.2	W	W
<b>Arizona</b>						
September 1993 .....	W	101.1	62.4	63.9	NA	W
August 1993 .....	W	100.0	60.6	62.5	NA	NA
September 1992 .....	W	W	67.5	70.2	W	46.6
<b>California</b>						
September 1993 .....	106.1	101.4	59.9	60.0	W	40.5
August 1993 .....	105.1	101.2	58.1	58.0	W	36.7
September 1992 .....	114.2	108.8	64.1	64.3	W	31.7
<b>Hawaii</b>						
September 1993 .....	W	W	62.1	78.0	W	W
August 1993 .....	W	W	61.4	W	W	W
September 1992 .....	W	W	69.2	91.2	W	W
<b>Nevada</b>						
September 1993 .....	W	W	62.7	63.6	NA	37.1
August 1993 .....	W	W	61.1	60.9	NA	NA
September 1992 .....	W	W	68.8	67.6	W	31.4
<b>Oregon</b>						
September 1993 .....	W	101.3	61.5	65.4	W	NA
August 1993 .....	W	104.0	59.9	64.5	W	38.6
September 1992 .....	W	109.3	65.7	69.7	W	31.2
<b>Washington</b>						
September 1993 .....	107.6	W	59.9	59.5	NA	31.9
August 1993 .....	108.5	107.4	58.3	62.4	NA	27.1
September 1992 .....	W	W	64.2	64.3	W	25.7

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: PAD District and U.S. averages represent data for all States. In certain PAD Districts, however, prices are not shown for every State.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 36. Refiner Prices of Kerosene and Distillates  
by PAD District and State**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>U.S. Average</b>						
September 1993 .....	66.5	58.8	65.2	66.1	60.2	57.3
August 1993 .....	61.9	55.6	58.9	57.9	56.0	52.2
September 1992 .....	70.5	66.8	73.2	71.4	65.3	63.0
<b>PAD District I Average</b>						
September 1993 .....	65.2	58.8	67.6	59.7	58.7	54.6
August 1993 .....	62.4	57.4	61.0	54.7	56.2	52.3
September 1992 .....	68.8	69.2	68.9	68.2	65.8	63.1
<b>Subdistrict IA Average</b>						
September 1993 .....	62.4	56.8	W	59.7	59.1	54.5
August 1993 .....	62.5	58.1	58.1	W	58.8	52.9
September 1992 .....	69.1	70.0	W	68.2	66.3	63.9
<b>Connecticut</b>						
September 1993 .....	W	W	W	W	57.1	55.2
August 1993 .....	W	59.0	W	W	55.5	52.4
September 1992 .....	W	W	W	W	66.1	63.5
<b>Maine</b>						
September 1993 .....	W	62.0	W	59.5	57.2	54.3
August 1993 .....	-	60.0	-	W	W	53.4
September 1992 .....	-	72.0	W	69.0	65.8	64.0
<b>Massachusetts</b>						
September 1993 .....	W	W	W	W	60.1	53.6
August 1993 .....	W	W	W	W	58.3	53.5
September 1992 .....	W	NA	W	W	66.7	64.1
<b>New Hampshire</b>						
September 1993 .....	W	W	W	W	59.9	54.5
August 1993 .....	W	W	W	-	56.9	53.8
September 1992 .....	-	W	W	W	64.1	64.6
<b>Rhode Island</b>						
September 1993 .....	-	W	-	W	60.2	54.5
August 1993 .....	-	W	-	-	54.1	52.8
September 1992 .....	-	W	W	W	65.7	63.5
<b>Vermont</b>						
September 1993 .....	-	W	-	W	59.6	W
August 1993 .....	-	W	-	W	57.2	W
September 1992 .....	-	W	-	W	67.2	65.9
<b>Subdistrict IB Average</b>						
September 1993 .....	65.9	59.5	71.8	61.8	59.6	54.1
August 1993 .....	W	56.7	65.0	57.6	57.3	52.0
September 1992 .....	68.2	67.9	75.6	67.6	66.7	62.8
<b>Delaware</b>						
September 1993 .....	-	W	-	-	57.4	W
August 1993 .....	-	W	-	W	55.0	52.3
September 1992 .....	-	W	-	W	64.3	W
<b>District of Columbia</b>						
September 1993 .....	-	-	-	-	W	57.4
August 1993 .....	-	W	-	-	NA	52.9
September 1992 .....	-	-	-	-	W	67.3
<b>Maryland</b>						
September 1993 .....	W	59.9	67.6	-	64.9	56.4
August 1993 .....	NA	58.4	W	-	52.5	53.1
September 1992 .....	W	69.3	W	70.1	63.0	64.3
<b>New Jersey</b>						
September 1993 .....	W	58.2	W	W	58.0	53.0
August 1993 .....	W	54.6	W	W	56.2	51.2
September 1992 .....	W	64.8	W	64.4	65.6	62.5
<b>New York</b>						
September 1993 .....	68.0	61.1	W	W	60.6	55.4
August 1993 .....	W	58.3	W	W	59.3	52.5
September 1992 .....	74.0	69.5	W	68.0	68.5	63.9
<b>Pennsylvania</b>						
September 1993 .....	76.0	60.7	W	62.3	62.2	54.3
August 1993 .....	72.5	57.7	78.0	58.4	58.4	52.2
September 1992 .....	85.0	69.1	W	68.6	67.4	62.7
<b>Subdistrict IC Average</b>						
September 1993 .....	62.5	61.0	67.1	58.8	58.0	55.3
August 1993 .....	60.6	58.0	60.0	56.4	55.6	52.6
September 1992 .....	84.9	70.3	69.7	69.1	65.3	63.3

See footnotes at end of table.

**Table 36. Refiner Prices of Kerosene and Distillates  
by PAD District and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Florida</b>						
September 1993 .....	W	62.5	W	W	58.1	55.4
August 1993 .....	69.4	55.9	W	W	55.4	52.6
September 1992 .....	90.8	70.7	W	W	66.0	63.3
<b>Georgia</b>						
September 1993 .....	NA	60.1	-	W	58.2	55.1
August 1993 .....	NA	58.6	-	W	56.2	52.4
September 1992 .....	NA	69.3	W	W	64.6	63.4
<b>North Carolina</b>						
September 1993 .....	NA	61.1	W	57.0	56.6	55.0
August 1993 .....	W	58.3	W	W	54.1	52.7
September 1992 .....	99.6	70.9	71.1	66.6	63.7	63.1
<b>South Carolina</b>						
September 1993 .....	NA	61.2	-	W	58.4	55.6
August 1993 .....	NA	58.2	W	-	55.8	52.7
September 1992 .....	98.8	70.4	-	W	64.3	63.6
<b>Virginia</b>						
September 1993 .....	59.0	60.3	W	58.6	56.8	54.9
August 1993 .....	56.7	57.4	54.8	56.1	55.2	52.4
September 1992 .....	72.2	69.0	62.0	69.6	65.0	63.1
<b>West Virginia</b>						
September 1993 .....	NA	63.3	W	W	60.8	58.5
August 1993 .....	NA	60.4	W	62.6	57.4	52.7
September 1992 .....	NA	72.8	W	75.4	68.8	64.5
<b>PAD District II Average</b>						
September 1993 .....	70.0	64.9	59.9	64.3	58.8	57.6
August 1993 .....	60.5	58.6	53.0	54.2	53.3	50.8
September 1992 .....	87.5	72.8	68.3	69.4	65.2	64.4
<b>Illinois</b>						
September 1993 .....	67.4	64.0	W	61.6	56.7	54.9
August 1993 .....	60.1	W	W	51.7	50.5	47.6
September 1992 .....	76.6	W	W	69.0	63.8	62.7
<b>Indiana</b>						
September 1993 .....	W	63.1	65.2	61.3	56.5	54.9
August 1993 .....	69.0	58.6	W	53.3	51.6	48.2
September 1992 .....	99.0	72.9	79.1	69.6	63.9	63.0
<b>Iowa</b>						
September 1993 .....	-	74.0	W	67.5	60.2	61.0
August 1993 .....	-	66.6	W	57.3	52.3	51.0
September 1992 .....	-	78.4	W	71.6	65.0	65.8
<b>Kansas</b>						
September 1993 .....	-	W	-	64.0	58.5	60.0
August 1993 .....	-	W	W	54.4	53.6	53.0
September 1992 .....	-	71.4	-	67.7	65.0	64.0
<b>Kentucky</b>						
September 1993 .....	72.7	65.3	W	64.7	59.9	56.9
August 1993 .....	76.6	59.8	W	56.3	55.7	52.0
September 1992 .....	W	74.3	W	73.2	66.6	64.3
<b>Michigan</b>						
September 1993 .....	NA	61.2	W	61.3	57.1	55.9
August 1993 .....	NA	56.7	W	52.4	51.2	48.2
September 1992 .....	115.9	71.3	W	70.6	65.1	64.4
<b>Minnesota</b>						
September 1993 .....	W	70.6	W	66.2	58.3	60.7
August 1993 .....	W	64.9	W	57.8	52.5	52.5
September 1992 .....	W	77.6	W	72.5	67.2	66.0
.....	-	68.0	W	66.0	60.0	58.0

**Table 36. Refiner Prices of Kerosene and Distillates  
by PAD District and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Ohio</b>						
September 1993 .....	67.8	64.5	86.2	82.6	61.4	57.7
August 1993 .....	58.9	56.9	89.4	55.6	56.1	50.8
September 1992 .....	88.2	73.0	NA	69.9	67.0	65.8
<b>Oklahoma</b>						
September 1993 .....	W	W	66.7	59.3	58.5	56.2
August 1993 .....	-	W	W	53.6	53.4	51.7
September 1992 .....	W	W	W	W	63.5	63.5
<b>South Dakota</b>						
September 1993 .....	-	72.7	W	70.8	W	64.0
August 1993 .....	-	64.7	-	55.8	W	55.7
September 1992 .....	-	W	W	72.3	W	66.8
<b>Tennessee</b>						
September 1993 .....	65.1	65.1	W	58.5	58.3	55.1
August 1993 .....	66.1	61.0	W	56.4	55.2	52.1
September 1992 .....	W	72.1	W	69.9	64.5	62.7
<b>Wisconsin</b>						
September 1993 .....	W	68.3	60.2	63.1	57.6	56.6
August 1993 .....	W	62.1	W	54.0	50.6	48.7
September 1992 .....	W	76.0	67.9	69.3	65.4	64.5
<b>PAD District III Average</b>						
September 1993 .....	63.2	NA	58.1	57.3	57.9	53.6
August 1993 .....	61.7	W	W	54.8	56.0	50.6
September 1992 .....	72.7	63.7	W	67.7	64.2	61.2
<b>Alabama</b>						
September 1993 .....	W	60.1	-	W	57.7	54.7
August 1993 .....	W	57.6	W	W	54.5	52.0
September 1992 .....	W	72.8	W	W	63.5	62.7
<b>Arkansas</b>						
September 1993 .....	-	60.7	-	W	58.5	55.6
August 1993 .....	-	56.1	-	W	55.8	51.3
September 1992 .....	-	68.7	-	W	64.3	62.8
<b>Louisiana</b>						
September 1993 .....	W	NA	-	W	55.5	52.3
August 1993 .....	W	W	-	W	54.7	50.0
September 1992 .....	W	W	-	W	62.8	61.1
<b>Mississippi</b>						
September 1993 .....	W	W	-	W	56.0	52.6
August 1993 .....	W	W	-	W	52.4	49.6
September 1992 .....	-	W	W	-	62.5	61.5
<b>New Mexico</b>						
September 1993 .....	-	84.0	W	73.7	73.6	64.1
August 1993 .....	-	NA	-	65.6	69.5	57.2
September 1992 .....	W	81.4	-	77.2	71.9	66.6
<b>Texas</b>						
September 1993 .....	W	53.6	W	65.1	57.1	53.3
August 1993 .....	W	58.6	W	58.4	55.8	50.6
September 1992 .....	W	65.3	W	68.4	64.1	60.6
<b>PAD District IV Average</b>						
September 1993 .....	W	74.8	80.6	74.7	63.6	65.9
August 1993 .....	-	70.0	W	65.4	58.7	57.7
September 1992 .....	-	W	82.3	76.3	68.6	68.3
<b>Colorado</b>						
September 1993 .....	-	W	W	71.1	61.3	62.8
August 1993 .....	-	W	W	61.6	60.5	56.1
September 1992 .....	-	W	W	76.7	71.7	70.4
<b>Idaho</b>						
September 1993 .....	-	W	W	79.7	W	71.3
August 1993 .....	-	W	-	67.7	W	60.5
September 1992 .....	-	-	W	76.6	W	68.3
<b>Montana</b>						
September 1993 .....	-	-	W	73.2	58.6	63.8
August 1993 .....	-	-	-	65.1	56.0	68.0
September 1992 .....	-	-	W	75.4	64.8	64.2

See footnotes at end of table.

**Table 36. Refiner Prices of Kerosene and Distillates  
by PAD District and State (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Utah</b>						
September 1993 .....	-	W	W	79.4	68.4	68.2
August 1993 .....	-	W	W	87.7	57.3	58.8
September 1992 .....	-	W	W	76.5	67.4	68.3
<b>Wyoming</b>						
September 1993 .....	W	W	72.9	76.9	63.9	64.8
August 1993 .....	-	-	W	67.8	59.8	57.9
September 1992 .....	-	-	80.7	77.2	68.1	68.8
<b>PAD District V Average</b>						
September 1993 .....	-	70.2	75.1	72.6	68.8	65.4
August 1993 .....	-	NA	74.2	69.7	61.7	58.1
September 1992 .....	W	71.2	83.8	78.5	65.1	62.0
<b>Alaska</b>						
September 1993 .....	-	-	79.0	70.8	77.8	63.2
August 1993 .....	-	-	NA	70.8	78.9	58.1
September 1992 .....	-	-	86.1	77.5	78.7	65.5
<b>Arizona</b>						
September 1993 .....	-	W	-	71.9	67.5	64.7
August 1993 .....	-	-	-	68.0	61.1	58.7
September 1992 .....	W	W	W	W	67.9	65.8
<b>California</b>						
September 1993 .....	-	64.3	W	74.9	71.0	67.0
August 1993 .....	-	W	W	65.4	60.8	55.7
September 1992 .....	-	W	73.8	69.5	64.4	61.4
<b>Hawaii</b>						
September 1993 .....	-	-	W	84.4	71.2	73.5
August 1993 .....	-	-	W	W	66.5	72.9
September 1992 .....	-	-	W	W	64.8	71.2
<b>Nevada</b>						
September 1993 .....	-	-	W	78.1	70.4	68.0
August 1993 .....	-	-	W	W	61.7	58.7
September 1992 .....	-	-	W	71.4	67.9	63.8
<b>Oregon</b>						
September 1993 .....	-	W	W	77.9	67.6	67.8
August 1993 .....	-	-	W	69.1	58.0	58.4
September 1992 .....	-	W	W	74.1	62.0	61.5
<b>Washington</b>						
September 1993 .....	-	W	87.4	75.9	61.1	61.0
August 1993 .....	-	W	W	65.8	60.1	54.8
September 1992 .....	-	W	W	73.9	62.7	61.3

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: PAD District and U.S. averages represent data for all States. In certain PAD Districts, however, prices are not shown for every State.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 37. No. 2 Distillate Prices by Seller, PAD District,  
and Selected States**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Refiners			Resellers and Retailers			All Sellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	To Residential Consumers <sup>a</sup>	To Non- Residential End Users		To Residential Consumers <sup>a</sup>	To Non- Residential End Users		To Residential Consumers <sup>a</sup>	To Non- Residential End Users	
<b>U.S. Average</b>									
September 1993 .....	79.8	80.0	57.3	85.7	69.9	58.8	85.5	67.2	57.7
August 1993 .....	77.7	55.8	52.2	84.3	66.2	55.2	84.1	63.2	53.0
September 1992 .....	84.8	65.2	83.0	90.2	73.7	65.1	90.1	71.0	63.5
<b>PAD District I Average</b>									
September 1993 .....	77.5	58.3	54.6	85.9	67.3	56.5	85.8	64.7	55.3
August 1993 .....	75.9	55.9	52.3	84.9	65.5	55.1	84.7	62.5	53.3
September 1992 .....	83.9	65.5	63.1	91.3	72.9	64.3	91.2	70.6	63.5
<b>Subdistrict IA Average</b>									
September 1993 .....	W	58.4	54.5	82.5	67.9	55.6	82.5	66.5	55.2
August 1993 .....	W	56.3	52.9	82.2	67.4	54.7	82.2	65.4	54.0
September 1992 .....	W	65.5	63.9	89.3	75.3	64.4	89.3	73.9	64.2
<b>Connecticut</b>									
September 1993 .....	-	57.1	55.2	84.3	68.7	54.3	84.3	68.2	54.7
August 1993 .....	-	55.5	52.4	84.0	67.4	55.4	84.0	64.2	53.5
September 1992 .....	-	68.1	63.5	91.8	77.7	63.8	91.8	75.9	63.6
<b>Maine</b>									
September 1993 .....	-	57.2	54.3	78.3	69.0	56.2	78.3	68.4	55.7
August 1993 .....	-	W	53.4	77.3	67.7	55.0	77.3	66.8	54.8
September 1992 .....	-	65.8	64.0	86.8	74.9	65.3	86.8	74.5	64.8
<b>Massachusetts</b>									
September 1993 .....	W	59.0	53.6	83.8	65.6	55.9	83.8	64.4	54.9
August 1993 .....	W	57.5	53.5	83.4	66.3	54.5	83.4	64.2	54.1
September 1992 .....	W	65.4	64.1	90.7	73.6	64.3	90.7	72.1	64.2
<b>New Hampshire</b>									
September 1993 .....	-	59.9	54.5	75.1	69.8	55.4	75.1	68.7	55.3
August 1993 .....	-	58.9	53.8	76.1	68.2	55.0	76.1	67.0	54.8
September 1992 .....	-	64.1	64.6	83.0	75.8	64.0	83.0	74.5	64.1
<b>Rhode Island</b>									
September 1993 .....	W	57.6	54.5	83.9	71.0	55.7	83.8	69.7	55.2
August 1993 .....	W	53.4	52.8	82.8	69.5	52.9	82.7	68.2	52.9
September 1992 .....	W	63.9	63.5	89.8	76.3	64.2	89.8	73.3	63.8
<b>Vermont</b>									
September 1993 .....	-	59.8	W	86.5	70.2	64.3	86.5	69.6	62.1
August 1993 .....	-	57.2	W	85.6	69.0	59.0	85.6	68.4	57.8
September 1992 .....	-	67.2	65.9	91.6	76.8	68.6	91.6	75.8	67.5
<b>Subdistrict IB Average</b>									
September 1993 .....	76.8	58.9	54.1	88.2	67.0	56.4	87.9	64.8	54.9
August 1993 .....	75.5	56.6	52.0	86.4	65.0	54.9	86.0	62.7	53.0
September 1992 .....	83.2	65.9	62.8	92.4	72.5	63.7	92.2	70.5	63.0
<b>Delaware</b>									
September 1993 .....	-	57.4	W	83.5	66.5	NA	83.5	64.6	54.7
August 1993 .....	-	55.0	52.3	83.5	65.3	57.3	83.5	63.6	53.1
September 1992 .....	-	64.3	W	90.3	72.8	66.1	90.3	70.5	62.8
<b>District of Columbia</b>									
September 1993 .....	-	W	57.4	97.8	NA	W	97.8	59.9	55.3
August 1993 .....	-	NA	52.9	96.1	58.4	W	96.1	58.3	53.0
September 1992 .....	-	W	67.3	101.2	67.4	W	101.2	64.9	65.1
<b>Maryland</b>									
September 1993 .....	W	54.9	56.4	91.2	66.3	58.5	91.2	63.1	57.3
August 1993 .....	W	52.5	53.1	91.3	63.9	56.1	91.3	60.6	54.3
September 1992 .....	W	63.0	64.3	95.7	71.4	63.5	95.7	68.8	63.9
<b>New Jersey</b>									
September 1993 .....	-	58.0	53.0	86.0	64.1	54.4	86.0	62.2	53.4
August 1993 .....	-	56.2	51.2	85.7	63.1	53.8	85.7	60.8	52.0
September 1992 .....	-	65.6	62.5	90.8	70.0	61.6	90.8	68.6	62.3
<b>New York</b>									
September 1993 .....	W	59.7	55.4	93.6	69.9	56.2	93.4	67.2	55.7
August 1993 .....	W	58.3	52.5	93.0	67.5	54.6	92.9	65.3	53.3
September 1992 .....	W	67.4	63.9	99.9	75.9	65.3	99.7	73.1	64.4

See footnotes at end of table.

**Table 37. No. 2 Distillate Prices by Seller, PAD District,  
and Selected States (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Refiners			Resellers and Retailers			All Sellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	To Residential Consumers <sup>a</sup>	To Non- Residential End Users		To Residential Consumers <sup>a</sup>	To Non- Residential End Users		To Residential Consumers <sup>a</sup>	To Non- Residential End Users	
<b>Pennsylvania</b>									
September 1993 .....	74.9	61.0	54.3	81.0	66.7	57.6	80.6	65.2	55.5
August 1993 .....	73.2	57.2	52.2	77.3	64.6	55.8	77.0	62.5	53.6
September 1992 .....	80.8	66.2	62.7	84.6	72.1	65.0	84.4	70.5	63.5
<b>Subdistrict IC Average<sup>b</sup></b>									
September 1993 .....	W	58.0	55.3	87.1	67.4	57.6	87.1	64.2	56.1
August 1993 .....	W	55.5	52.6	86.5	65.4	55.7	86.4	61.9	53.5
September 1992 .....	W	65.3	63.3	91.7	72.5	65.2	91.7	70.0	63.9
<b>Virginia</b>									
September 1993 .....	W	56.8	54.9	85.1	66.5	56.4	85.1	64.3	55.3
August 1993 .....	W	55.2	52.4	84.0	65.8	55.0	84.0	63.4	53.0
September 1992 .....	W	65.0	63.1	89.4	72.6	63.5	89.4	70.5	63.2
<b>West Virginia</b>									
September 1993 .....	W	60.7	58.5	79.4	66.7	62.4	79.2	64.0	59.5
August 1993 .....	W	57.4	52.7	79.6	63.9	58.7	79.1	60.9	54.0
September 1992 .....	W	66.7	64.5	85.7	74.7	69.6	85.4	72.0	65.2
<b>PAD District II Average<sup>b</sup></b>									
September 1993 .....	W	58.8	57.6	82.5	68.8	59.9	82.5	66.0	58.2
August 1993 .....	W	53.3	50.8	79.2	65.2	54.2	79.2	61.6	51.7
September 1992 .....	W	65.2	64.4	85.1	74.8	66.7	85.0	71.6	64.9
<b>Illinois</b>									
September 1993 .....	-	56.7	54.9	80.7	68.3	57.1	80.7	65.6	55.7
August 1993 .....	-	50.5	47.6	77.2	64.1	53.1	77.2	60.5	49.2
September 1992 .....	-	63.8	62.7	88.9	76.7	65.7	88.9	73.4	63.4
<b>Indiana</b>									
September 1993 .....	W	56.5	54.9	80.5	67.2	55.0	80.5	64.1	54.9
August 1993 .....	W	51.6	48.2	76.7	62.8	49.8	76.6	59.1	48.6
September 1992 .....	W	63.9	63.0	84.8	74.7	66.7	84.8	69.9	64.1
<b>Michigan</b>									
September 1993 .....	-	57.1	55.9	85.3	71.8	58.8	85.3	67.5	56.9
August 1993 .....	-	51.2	48.2	82.1	67.1	53.7	82.1	62.1	50.0
September 1992 .....	-	65.1	64.4	88.2	77.9	68.9	88.2	73.5	65.8
<b>Minnesota</b>									
September 1993 .....	-	58.3	60.7	83.1	75.4	66.2	83.1	71.7	62.3
August 1993 .....	-	52.5	52.5	80.0	70.5	58.2	80.0	66.6	54.1
September 1992 .....	-	67.2	66.0	85.0	78.6	68.8	85.0	76.1	66.5
<b>Ohio</b>									
September 1993 .....	W	61.2	57.7	81.9	68.2	58.1	81.7	64.5	57.6
August 1993 .....	W	56.0	50.8	78.9	64.5	53.0	78.6	59.8	51.3
September 1992 .....	W	66.8	65.8	84.7	73.7	65.9	84.7	69.9	65.8
<b>Wisconsin</b>									
September 1993 .....	-	57.6	56.6	82.8	71.0	61.9	82.8	69.1	58.7
August 1993 .....	-	50.6	48.7	78.7	67.6	52.4	78.7	65.0	50.0
September 1992 .....	-	65.4	64.5	83.6	73.9	65.4	83.6	72.7	64.7
<b>PAD District III Average</b>									
September 1993 .....	-	57.9	53.6	72.7	65.5	55.6	72.7	63.5	54.0
August 1993 .....	-	56.0	50.6	70.4	63.1	53.1	70.4	61.2	51.1
September 1992 .....	-	64.2	61.2	74.1	69.8	62.3	74.1	68.2	61.4
<b>PAD District IV Average<sup>b</sup></b>									
September 1993 .....	-	63.6	65.9	84.1	75.7	70.4	84.1	72.7	66.8
August 1993 .....	-	58.7	57.7	77.0	70.6	61.8	77.0	67.5	58.5
September 1992 .....	-	68.6	68.3	85.0	78.6	71.7	85.0	76.7	68.9
<b>Idaho</b>									
September 1993 .....	-	W	71.3	85.3	80.5	70.6	85.3	79.0	71.2
August 1993 .....	-	W	60.5	77.0	75.0	65.0	77.0	72.8	61.2
September 1992 .....	-	W	68.3	86.0	79.2	72.8	86.0	77.8	69.2

See footnotes at end of table.

**Table 37. No. 2 Distillate Prices by Seller, PAD District,  
and Selected States (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Refiners			Resellers and Retailers			All Sellers		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	To Residential Consumers <sup>a</sup>	To Non- Residential End Users		To Residential Consumers <sup>a</sup>	To Non- Residential End Users		To Residential Consumers <sup>a</sup>	To Non- Residential End Users	
<b>PAD District V Average<sup>b</sup></b>									
September 1993 .....	86.6	68.5	65.4	95.9	80.9	68.9	94.8	77.7	66.1
August 1993 .....	84.8	61.5	56.1	91.7	72.0	61.3	90.7	69.2	57.0
September 1992 .....	87.9	64.8	62.0	91.0	76.2	67.9	90.6	72.7	63.2
<b>Alaska</b>									
September 1993 .....	W	75.0	63.2	97.2	90.5	74.2	94.5	88.4	65.8
August 1993 .....	W	77.4	58.1	98.2	85.5	72.7	95.5	83.6	60.4
September 1992 .....	W	76.2	65.5	95.6	90.1	77.3	93.4	85.9	70.0
<b>Oregon</b>									
September 1993 .....	W	67.3	67.6	91.2	81.0	77.6	91.6	77.7	68.4
August 1993 .....	W	57.8	56.4	83.1	73.3	69.4	83.5	69.3	57.3
September 1992 .....	W	61.8	61.5	87.4	75.4	66.1	87.6	71.3	62.0
<b>Washington</b>									
September 1993 .....	W	60.4	61.0	97.6	78.4	69.9	96.6	73.8	61.5
August 1993 .....	W	59.2	54.8	90.5	70.5	61.5	89.3	69.1	55.3
September 1992 .....	W	62.3	61.3	91.0	74.3	69.7	90.3	70.8	62.6

<sup>a</sup> No. 2 fuel oil only.

<sup>b</sup> Some State data are not sufficient for publication individually, but are used in calculating the PAD District average.

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Refiners and Gas Plant Operators: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report;" Resellers: Energy Information Administration Form EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 38. No. 2 Distillate Prices by Sales Type, PAD District,  
and Selected States**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users						Sales for Resale
	To Residential Consumers <sup>a</sup>	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets <sup>b</sup>	To Other End Users <sup>c</sup>	Average	
<b>U.S. Average</b>							
September 1993 .....	85.5	62.1	67.9	70.4	72.0	69.2	57.7
August 1993 .....	84.1	57.8	63.4	67.4	67.1	64.6	53.0
September 1992 .....	90.1	66.9	70.9	74.3	75.5	73.1	63.5
<b>PAD District I Average</b>							
September 1993 .....	85.8	61.7	65.5	69.7	65.3	69.9	55.3
August 1993 .....	84.7	59.4	63.3	68.5	62.6	66.4	53.3
September 1992 .....	91.2	68.9	70.6	73.8	71.5	75.6	63.5
<b>Subdistrict 1A Average</b>							
September 1993 .....	82.5	65.0	66.1	76.0	64.1	74.9	55.2
August 1993 .....	82.2	63.5	64.8	75.7	62.9	72.3	54.0
September 1992 .....	89.3	72.2	70.8	83.7	73.1	81.2	64.2
<b>Connecticut</b>							
September 1993 .....	84.3	65.1	64.6	79.8	66.8	77.0	54.7
August 1993 .....	84.0	62.5	62.6	79.5	63.5	74.9	53.5
September 1992 .....	91.8	72.2	67.9	88.6	67.9	83.4	63.6
<b>Maine</b>							
September 1993 .....	78.3	66.0	65.1	76.3	67.8	72.8	55.7
August 1993 .....	77.3	64.0	63.4	75.9	63.7	70.0	54.6
September 1992 .....	86.8	72.9	73.6	79.0	76.9	79.4	64.9
<b>Massachusetts</b>							
September 1993 .....	83.8	63.2	66.2	76.8	60.4	74.2	54.9
August 1993 .....	83.4	62.4	69.6	77.2	61.7	71.4	54.1
September 1992 .....	90.7	71.6	70.0	82.5	69.7	80.2	64.2
<b>New Hampshire</b>							
September 1993 .....	75.1	65.6	59.2	73.5	69.5	72.0	55.3
August 1993 .....	76.1	62.8	57.3	72.4	73.6	71.0	54.8
September 1992 .....	83.0	73.0	68.6	78.6	79.4	79.6	64.1
<b>Rhode Island</b>							
September 1993 .....	83.8	70.9	68.2	76.0	61.6	78.8	55.2
August 1993 .....	82.7	67.9	64.5	75.1	58.2	74.4	52.9
September 1992 .....	89.8	73.8	72.6	77.1	66.6	83.8	63.8
<b>Vermont</b>							
September 1993 .....	86.5	68.5	66.3	77.2	72.0	76.3	62.1
August 1993 .....	85.6	67.2	63.9	77.2	71.3	73.8	57.8
September 1992 .....	91.6	73.1	74.4	83.7	81.4	83.4	67.5
<b>Subdistrict 1B Average</b>							
September 1993 .....	87.9	62.6	66.4	71.8	62.7	72.1	54.9
August 1993 .....	86.0	59.9	64.3	70.3	61.2	66.2	53.0
September 1992 .....	92.2	69.2	70.7	76.2	69.2	78.0	63.0
<b>Delaware</b>							
September 1993 .....	83.5	59.1	64.5	70.1	65.2	67.3	54.7
August 1993 .....	83.5	56.5	64.2	68.7	68.4	65.7	53.1
September 1992 .....	90.3	71.2	69.4	72.5	68.0	76.1	62.8
<b>District of Columbia</b>							
September 1993 .....	97.8	NA	NA	W	NA	60.7	55.3
August 1993 .....	96.1	57.2	W	W	64.1	59.7	53.0
September 1992 .....	101.2	66.5	-	W	63.3	66.5	65.1
<b>Maryland</b>							
September 1993 .....	91.2	59.6	63.7	71.2	65.2	67.7	57.3
August 1993 .....	91.3	56.9	61.6	72.0	61.5	63.8	54.3
September 1992 .....	95.7	66.3	69.2	78.1	71.6	73.5	63.9
<b>New Jersey</b>							
September 1993 .....	86.0	59.6	71.4	70.1	60.4	68.8	53.4
August 1993 .....	85.7	57.9	69.7	68.8	59.1	65.2	52.0
September 1992 .....	90.8	68.2	66.6	74.3	W	76.3	62.3
<b>New York</b>							
September 1993 .....	93.4	68.0	65.5	77.4	61.0	78.5	55.7
August 1993 .....	92.9	66.0	62.3	76.8	59.1	74.5	53.3
September 1992 .....	99.7	72.5	75.1	78.7	70.1	85.3	64.4

**Table 38. No. 2 Distillate Prices by Sales Type, PAD District, and Selected States (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users						Sales for Resale
	To Residential Consumers <sup>a</sup>	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets <sup>b</sup>	To Other End Users <sup>c</sup>	Average	
<b>Pennsylvania</b>							
September 1993 .....	80.6	61.7	66.4	70.3	64.9	69.7	55.5
August 1993 .....	77.0	58.1	65.1	68.2	63.0	65.9	53.6
September 1992 .....	84.4	68.6	70.4	75.7	69.8	74.8	63.5
<b>Subdistrict IC Average<sup>d</sup></b>							
September 1993 .....	87.1	59.8	64.7	67.9	67.2	65.5	56.1
August 1993 .....	86.4	57.7	62.4	66.8	63.4	63.0	53.5
September 1992 .....	91.7	67.5	70.5	71.7	72.4	71.7	63.9
<b>Virginia</b>							
September 1993 .....	85.1	60.3	62.2	69.1	68.9	66.9	55.3
August 1993 .....	84.0	59.8	60.1	69.0	67.4	65.3	53.0
September 1992 .....	89.4	67.2	71.1	72.9	74.1	73.0	63.2
<b>West Virginia</b>							
September 1993 .....	79.2	60.4	65.9	69.5	62.8	64.7	59.5
August 1993 .....	79.1	56.0	62.3	68.7	63.1	61.7	54.0
September 1992 .....	85.4	68.7	73.9	79.9	71.1	72.5	65.2
<b>PAD District II Average<sup>d</sup></b>							
September 1993 .....	82.5	59.5	67.0	67.4	73.8	66.9	58.2
August 1993 .....	79.2	54.6	61.6	64.1	69.2	62.1	51.7
September 1992 .....	85.0	66.3	72.1	72.8	78.8	72.4	64.9
<b>Illinois</b>							
September 1993 .....	80.7	59.0	71.0	66.9	72.5	66.0	55.7
August 1993 .....	77.2	52.4	66.0	64.5	67.2	60.8	49.2
September 1992 .....	88.9	67.9	77.7	73.4	78.7	73.6	63.4
<b>Indiana</b>							
September 1993 .....	80.5	58.1	65.0	64.9	74.4	64.5	54.9
August 1993 .....	76.6	52.9	57.7	60.1	74.7	59.5	48.6
September 1992 .....	84.8	65.3	68.6	71.0	86.1	70.6	64.1
<b>Michigan</b>							
September 1993 .....	85.3	64.1	69.1	68.9	71.9	69.7	58.9
August 1993 .....	82.1	57.6	64.9	66.7	65.0	63.5	50.0
September 1992 .....	88.2	68.7	73.0	74.9	79.7	75.9	65.8
<b>Minnesota</b>							
September 1993 .....	83.1	65.0	68.9	70.1	78.4	73.3	62.3
August 1993 .....	80.0	57.6	62.3	70.2	72.4	67.4	54.1
September 1992 .....	85.0	70.4	74.4	75.2	81.8	77.5	66.5
<b>Ohio</b>							
September 1993 .....	81.7	60.3	63.7	67.5	71.5	66.1	57.8
August 1993 .....	78.6	55.1	57.8	63.8	67.3	60.7	51.3
September 1992 .....	84.7	66.3	72.0	72.1	76.5	71.1	65.8
<b>Wisconsin</b>							
September 1993 .....	82.8	65.1	71.5	67.5	75.2	71.1	58.7
August 1993 .....	78.7	58.4	65.9	67.0	71.0	66.0	50.0
September 1992 .....	83.6	67.7	68.4	74.0	79.3	74.2	64.7
<b>PAD District III Average</b>							
September 1993 .....	72.7	58.2	61.7	68.7	66.5	63.5	54.0
August 1993 .....	70.4	55.6	59.5	66.6	63.8	61.2	51.1
September 1992 .....	74.1	63.6	67.7	73.0	74.6	69.2	61.4
<b>PAD District IV Average<sup>d</sup></b>							
September 1993 .....	84.1	64.9	72.0	76.7	79.3	72.9	66.8
August 1993 .....	77.0	59.8	65.2	72.5	73.5	67.6	58.5
September 1992 .....	85.0	69.8	74.0	80.6	79.9	75.8	68.9
<b>Idaho</b>							
September 1993 .....	85.3	70.2	77.3	79.0	82.8	79.3	71.2
August 1993 .....	77.0	62.5	71.1	73.3	77.4	72.9	61.2
September 1992 .....	86.0	72.2	73.8	78.9	81.0	78.1	69.2

See footnotes at end of table.

**Table 38. No. 2 Distillate Prices by Sales Type, PAD District, and Selected States (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users						Sales for Resale
	To Residential Consumers <sup>a</sup>	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets <sup>b</sup>	To Other End Users <sup>c</sup>	Average	
<b>PAD District V Average<sup>d</sup></b>							
September 1993 .....	94.8	72.7	78.7	82.2	80.3	78.2	66.1
August 1993 .....	90.7	63.8	NA	75.4	70.2	69.6	57.0
September 1992 .....	90.6	67.5	73.9	79.7	74.5	73.2	63.2
<b>Alaska</b>							
September 1993 .....	94.6	66.3	84.3	87.6	NA	89.6	65.8
August 1993 .....	95.6	82.0	NA	83.9	91.6	86.3	80.4
September 1992 .....	93.4	85.5	80.0	81.0	87.3	86.9	70.0
<b>Oregon</b>							
September 1993 .....	91.6	72.6	79.2	81.7	79.9	78.4	68.4
August 1993 .....	83.6	62.7	69.8	73.9	73.9	69.7	57.3
September 1992 .....	87.6	66.5	73.5	79.3	76.5	72.0	62.0
<b>Washington</b>							
September 1993 .....	96.6	66.3	78.7	83.2	79.6	75.4	61.5
August 1993 .....	89.3	64.1	71.1	77.5	70.1	69.8	55.3
September 1992 .....	90.3	67.2	70.9	78.8	76.2	72.7	62.6

<sup>a</sup> No. 2 fuel oil only.

<sup>b</sup> No. 2 diesel fuel only.

<sup>c</sup> Sales to "other end users" are all end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

<sup>d</sup> Some State data are not sufficient for publication individually, but are used in calculating the PAD District average.

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 39. No. 2 Fuel Oil Prices by Sales Type, PAD District,  
and Selected States**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End Users <sup>a</sup>	Average	
<b>U.S. Average</b>						
September 1993 .....	85.5	82.3	82.0	81.7	78.4	54.9
August 1993 .....	84.1	59.3	59.4	59.2	71.9	51.3
September 1992 .....	90.1	69.3	69.2	69.7	81.7	62.8
<b>PAD District I Average</b>						
September 1993 .....	85.8	63.7	61.7	59.5	77.6	54.1
August 1993 .....	84.7	61.6	60.1	57.7	74.2	52.5
September 1992 .....	91.2	70.7	68.5	68.3	83.2	63.0
<b>Subdistrict IA Average</b>						
September 1993 .....	82.5	65.0	62.6	60.9	77.8	53.9
August 1993 .....	82.2	64.5	61.4	61.6	78.4	53.3
September 1992 .....	89.3	72.6	70.9	70.5	84.5	63.8
<b>Connecticut</b>						
September 1993 .....	84.3	68.3	62.3	60.9	81.4	53.7
August 1993 .....	84.0	67.9	60.6	58.3	80.8	53.0
September 1992 .....	91.8	73.9	67.0	64.7	87.6	63.3
<b>Maine</b>						
September 1993 .....	78.3	67.0	64.5	W	73.9	54.4
August 1993 .....	77.3	65.9	62.3	W	71.8	53.8
September 1992 .....	86.8	76.3	74.1	76.6	82.6	64.5
<b>Massachusetts</b>						
September 1993 .....	83.8	61.6	60.7	58.8	77.3	53.8
August 1993 .....	83.4	62.0	60.5	62.0	75.2	53.6
September 1992 .....	90.7	70.2	68.6	69.6	83.4	63.9
<b>New Hampshire</b>						
September 1993 .....	75.1	64.5	58.7	W	72.9	53.7
August 1993 .....	76.1	62.2	56.1	W	72.8	53.6
September 1992 .....	83.0	73.0	67.8	67.1	81.2	63.5
<b>Rhode Island</b>						
September 1993 .....	83.8	71.8	68.8	W	82.2	54.2
August 1993 .....	82.7	69.9	67.2	W	79.2	52.4
September 1992 .....	89.8	79.7	70.4	W	87.7	63.6
<b>Vermont</b>						
September 1993 .....	86.5	71.6	62.0	W	82.0	57.1
August 1993 .....	85.6	71.9	61.3	W	81.7	55.8
September 1992 .....	91.6	76.4	72.7	80.4	88.7	66.4
<b>Subdistrict IB Average</b>						
September 1993 .....	87.9	67.4	60.7	57.2	80.7	53.8
August 1993 .....	86.0	64.5	58.2	56.4	77.4	52.3
September 1992 .....	92.2	72.9	66.0	65.9	84.9	62.8
<b>Delaware</b>						
September 1993 .....	83.5	65.5	59.7	56.3	71.7	53.9
August 1993 .....	83.5	64.9	W	53.7	70.9	53.3
September 1992 .....	90.3	78.6	72.0	W	82.3	62.9
<b>District of Columbia</b>						
September 1993 .....	97.8	NA	-	W	81.1	53.4
August 1993 .....	96.1	60.2	-	W	83.5	62.5
September 1992 .....	101.2	65.8	-	W	85.9	64.0
<b>Maryland</b>						
September 1993 .....	91.2	62.1	63.5	58.1	75.4	54.7
August 1993 .....	91.3	60.0	62.0	54.8	71.0	52.4
September 1992 .....	95.7	66.9	67.0	66.3	78.8	62.8
<b>New Jersey</b>						
September 1993 .....	86.0	66.5	57.0	56.8	79.1	52.7
August 1993 .....	85.7	63.0	55.5	57.7	76.7	51.4
September 1992 .....	90.8	69.7	65.3	W	83.2	62.2
<b>New York</b>						
September 1993 .....	93.4	72.0	61.1	57.1	86.6	54.9
August 1993 .....	92.9	69.8	57.8	58.0	83.9	52.8
September 1992 .....	99.7	78.4	68.5	69.6	93.0	64.1

See footnotes at end of table.

**Table 39. No. 2 Fuel Oil Prices by Sales Type, PAD District,  
and Selected States (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End Users <sup>a</sup>	Average	
<b>Pennsylvania</b>						
September 1993 .....	80.6	64.1	63.2	58.7	76.3	54.4
August 1993 .....	77.0	60.0	61.3	56.0	71.4	52.8
September 1992 .....	84.4	73.6	68.6	67.2	80.0	63.3
<b>Subdistrict IC Average<sup>b</sup></b>						
September 1993 .....	87.1	59.1	62.1	61.9	69.4	54.9
August 1993 .....	86.4	57.4	61.4	57.4	65.7	52.6
September 1992 .....	91.7	66.2	67.9	70.0	77.9	63.1
<b>Virginia</b>						
September 1993 .....	85.1	60.6	62.4	61.6	73.4	54.2
August 1993 .....	84.0	56.6	65.6	57.7	70.4	52.1
September 1992 .....	89.4	67.7	71.9	67.2	78.5	62.7
<b>West Virginia</b>						
September 1993 .....	79.2	62.0	61.5	57.8	65.6	56.8
August 1993 .....	79.1	60.5	68.0	60.2	67.7	51.3
September 1992 .....	85.4	72.9	70.4	64.2	72.5	63.9
<b>PAD District II Average<sup>b</sup></b>						
September 1993 .....	82.5	58.8	61.3	66.3	71.5	56.7
August 1993 .....	79.2	53.2	57.0	61.5	63.6	50.1
September 1992 .....	85.0	65.1	70.6	72.9	76.0	64.1
<b>Illinois</b>						
September 1993 .....	80.7	60.7	60.5	63.7	68.7	54.8
August 1993 .....	77.2	51.5	53.6	63.2	59.7	48.0
September 1992 .....	88.9	65.5	78.2	71.6	72.9	62.8
<b>Indiana</b>						
September 1993 .....	80.5	55.2	60.8	NA	63.4	63.6
August 1993 .....	76.6	W	56.4	72.5	59.8	47.4
September 1992 .....	84.8	64.1	69.6	80.4	73.8	62.9
<b>Michigan</b>						
September 1993 .....	85.3	58.8	68.6	71.5	77.2	56.0
August 1993 .....	82.1	50.6	63.1	63.4	68.4	49.0
September 1992 .....	88.2	66.9	75.7	71.3	81.9	64.6
<b>Minnesota</b>						
September 1993 .....	83.1	70.5	60.9	69.3	76.5	61.0
August 1993 .....	80.0	64.3	56.6	69.6	68.9	52.2
September 1992 .....	85.0	69.0	69.3	82.2	82.1	66.0
<b>Ohio</b>						
September 1993 .....	81.7	59.3	60.2	63.1	69.9	55.8
August 1993 .....	78.6	55.1	56.4	59.2	64.0	49.0
September 1992 .....	84.7	65.5	68.6	67.1	73.3	65.1
<b>Wisconsin</b>						
September 1993 .....	82.8	62.1	62.7	62.6	78.1	57.2
August 1993 .....	78.7	57.3	56.9	61.9	71.3	49.0
September 1992 .....	83.6	66.4	69.6	76.6	78.7	64.1
<b>PAD District III Average</b>						
September 1993 .....	72.7	51.7	56.4	54.1	53.5	52.2
August 1993 .....	70.4	51.2	54.1	50.6	52.2	49.5
September 1992 .....	74.1	61.2	63.5	61.0	62.7	59.8
<b>PAD District IV Average<sup>b</sup></b>						
September 1993 .....	84.1	55.2	W	85.3	68.6	64.9
August 1993 .....	77.0	56.6	W	76.2	66.6	56.8
September 1992 .....	85.0	71.6	W	W	79.5	67.8
<b>Idaho</b>						
September 1993 .....	85.3	73.4	W	W	83.9	71.0
August 1993 .....	77.0	64.5	-	W	75.1	59.5
September 1992 .....	86.0	W	W	W	84.0	67.8

See footnotes at end of table.

**Table 39. No. 2 Fuel Oil Prices by Sales Type, PAD District,  
and Selected States (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Sales to End Users					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End Users <sup>a</sup>	Average	
<b>PAD District V Average<sup>b</sup></b>						
September 1993 .....	94.8	77.9	76.6	74.7	87.9	65.1
August 1993 .....	90.7	75.2	NA	68.8	81.6	58.7
September 1992 .....	90.6	81.2	73.1	83.4	86.5	63.8
<b>Alaska</b>						
September 1993 .....	94.5	79.6	82.3	89.8	89.6	65.2
August 1993 .....	95.5	81.0	NA	87.9	90.7	56.9
September 1992 .....	93.4	NA	NA	102.0	90.8	69.7
<b>Oregon</b>						
September 1993 .....	91.6	80.0	W	71.6	87.8	61.7
August 1993 .....	83.5	73.9	W	W	79.5	57.3
September 1992 .....	87.6	77.1	W	W	83.2	62.5
<b>Washington</b>						
September 1993 .....	96.6	72.7	72.4	70.8	86.8	66.1
August 1993 .....	89.3	67.5	63.4	62.8	72.9	56.0
September 1992 .....	90.3	71.9	69.5	W	85.1	61.2

<sup>a</sup> Sales to "other end users" are all end-user sales not included in the other end-user categories shown, e.g., sales to agricultural customers or utilities.

<sup>b</sup> Some State data are not sufficient for publication individually, but are used in calculating the PAD District average.

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 40. Refiner No. 4 and Residual Fuel Oil Prices by PAD District**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	No. 4 Fuel		Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average Residual	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>U.S. Average</b>								
September 1993 .....	46.0	47.5	37.7	31.9	28.6	24.0	31.5	26.8
August 1993 .....	46.3	48.7	37.2	31.5	28.7	23.7	31.9	26.9
September 1992 .....	55.2	50.1	42.0	37.9	35.3	32.9	37.5	34.8
<b>PAD District I Average</b>								
September 1993 .....	47.0	46.9	37.1	34.7	31.0	30.3	33.8	34.1
August 1993 .....	46.8	48.0	35.4	36.3	31.2	25.5	33.5	33.3
September 1992 .....	54.3	53.8	41.3	41.4	37.0	37.6	39.2	40.1
<b>Subdistrict IA Average</b>								
September 1993 .....	W	W	35.9	W	W	W	33.2	W
August 1993 .....	W	W	33.6	W	W	-	31.9	W
September 1992 .....	W	W	39.4	W	W	W	37.3	40.4
<b>Subdistrict IB Average</b>								
September 1993 .....	46.7	47.9	38.3	35.5	30.0	30.5	35.3	34.7
August 1993 .....	W	48.9	36.7	36.8	30.5	23.1	35.0	33.9
September 1992 .....	54.6	54.6	W	43.0	37.7	35.8	41.3	40.7
<b>Subdistrict IC Average</b>								
September 1993 .....	47.0	W	W	W	31.7	W	32.3	32.8
August 1993 .....	47.6	W	W	W	32.1	29.0	32.8	29.0
September 1992 .....	51.9	W	39.5	W	37.6	W	38.2	37.5
<b>PAD District II Average</b>								
September 1993 .....	W	W	41.5	W	30.0	24.1	30.9	24.5
August 1993 .....	W	W	W	W	27.8	22.5	29.8	22.7
September 1992 .....	W	W	34.0	36.2	W	30.0	30.3	31.3
<b>PAD District III Average</b>								
September 1993 .....	W	-	W	27.8	28.6	23.7	26.6	24.4
August 1993 .....	W	-	-	28.5	26.0	23.2	26.0	24.8
September 1992 .....	W	W	-	35.8	33.1	31.0	33.1	32.7
<b>PAD District IV Average</b>								
September 1993 .....	-	-	-	31.1	W	W	W	25.6
August 1993 .....	-	-	-	30.8	W	W	W	25.9
September 1992 .....	-	-	-	30.0	W	14.4	W	22.5
<b>PAD District V Average</b>								
September 1993 .....	W	W	W	W	26.1	23.4	29.1	23.2
August 1993 .....	W	42.2	W	24.5	27.3	25.1	31.7	24.9
September 1992 .....	W	W	45.7	31.2	36.4	35.0	36.7	34.7

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 41. Residual Fuel Oil Prices by PAD District and Selected States**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>U.S. Average</b>						
September 1993 .....	37.0	32.3	30.0	25.8	32.2	27.9
August 1993 .....	36.7	32.1	29.9	25.6	32.3	27.7
September 1992 .....	42.0	38.8	35.8	33.9	38.0	35.7
<b>PAD District I Average</b>						
September 1993 .....	37.0	35.5	31.6	28.5	33.6	32.7
August 1993 .....	36.3	35.8	31.3	27.8	33.4	32.1
September 1992 .....	42.0	42.1	37.0	36.1	39.4	39.0
<b>Subdistrict IA Average*</b>						
September 1993 .....	37.2	34.7	29.8	28.6	32.4	33.2
August 1993 .....	35.1	35.0	30.2	W	32.7	31.4
September 1992 .....	40.4	40.3	33.9	36.3	37.6	37.6
<b>Connecticut</b>						
September 1993 .....	37.4	W	W	-	37.7	W
August 1993 .....	34.0	W	W	-	34.1	W
September 1992 .....	41.1	W	W	-	41.1	W
<b>Maine</b>						
September 1993 .....	40.4	W	30.1	W	32.9	32.4
August 1993 .....	39.2	W	31.6	W	33.1	42.7
September 1992 .....	44.6	W	34.9	W	36.7	W
<b>Massachusetts</b>						
September 1993 .....	36.0	W	30.2	W	32.3	33.2
August 1993 .....	34.9	33.5	30.2	W	32.5	30.3
September 1992 .....	39.8	40.1	32.5	W	37.3	38.6
<b>New Hampshire</b>						
September 1993 .....	36.4	-	28.0	-	28.7	-
August 1993 .....	NA	-	28.1	-	30.0	-
September 1992 .....	41.9	W	36.7	W	37.7	38.9
<b>Rhode Island</b>						
September 1993 .....	37.7	W	W	-	37.7	W
August 1993 .....	37.8	W	-	-	37.8	W
September 1992 .....	40.1	39.6	W	-	40.1	39.6
<b>Subdistrict IB Average*</b>						
September 1993 .....	39.2	36.3	31.9	27.4	35.8	33.0
August 1993 .....	37.9	35.9	32.9	26.4	36.1	32.8
September 1992 .....	44.7	44.1	39.3	36.0	42.6	40.8
<b>Delaware</b>						
September 1993 .....	35.7	W	31.5	NA	34.8	NA
August 1993 .....	33.9	W	30.1	W	33.5	W
September 1992 .....	43.6	-	35.1	-	39.9	-
<b>Maryland</b>						
September 1993 .....	34.8	W	28.2	W	30.9	W
August 1993 .....	32.9	32.7	33.0	W	32.9	30.5
September 1992 .....	W	W	40.2	34.7	36.5	37.1
<b>New Jersey</b>						
September 1993 .....	38.9	38.2	31.5	NA	36.4	31.1
August 1993 .....	37.2	36.2	29.2	26.8	34.9	35.5
September 1992 .....	44.4	42.1	39.3	35.1	42.1	39.6
<b>New York</b>						
September 1993 .....	42.2	37.3	33.4	W	37.6	37.1
August 1993 .....	42.2	36.0	34.3	28.7	38.4	35.9
September 1992 .....	45.3	47.7	40.3	42.6	43.8	46.8
<b>Pennsylvania</b>						
September 1993 .....	36.1	36.3	30.4	30.8	33.4	35.7
August 1993 .....	34.3	35.9	31.0	W	33.2	35.3
September 1992 .....	47.1	41.4	37.9	W	40.0	38.5
<b>Subdistrict IC Average*</b>						
September 1993 .....	33.7	W	32.1	30.2	32.5	31.6
August 1993 .....	34.5	W	31.1	29.7	31.9	30.3
September 1992 .....	38.9	37.0	37.2	36.1	37.7	36.5
<b>Florida</b>						
September 1993 .....	33.4	-	32.0	NA	32.4	NA
August 1993 .....	34.4	W	30.8	W	31.8	35.0
September 1992 .....	36.7	W	27.4	W	37.9	36.7
<b>Georgia</b>						
September 1993 .....	-	-	-	-	-	-
August 1993 .....	-	W	-	-	-	-
September 1992 .....	W	-	-	-	-	-

See footnotes at end of table.

**Table 41. Residual Fuel Oil Prices by PAD District and Selected States (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>North Carolina</b>						
September 1993 .....	W	-	32.5	W	33.0	W
August 1993 .....	W	-	32.0	35.6	32.9	35.6
September 1992 .....	47.7	-	37.3	34.3	37.9	34.3
<b>South Carolina</b>						
September 1993 .....	W	-	W	W	W	W
August 1993 .....	W	-	W	W	W	W
September 1992 .....	W	-	W	-	W	-
<b>Virginia</b>						
September 1993 .....	35.7	W	30.5	30.2	31.2	32.6
August 1993 .....	33.7	W	30.7	29.0	32.3	29.1
September 1992 .....	48.9	W	37.4	36.6	37.6	36.9
<b>PAD District II Average<sup>a</sup></b>						
September 1993 .....	41.9	36.8	31.9	24.5	33.9	26.3
August 1993 .....	41.4	35.8	30.9	23.0	34.4	24.6
September 1992 .....	38.3	36.1	31.9	30.5	34.1	32.4
<b>Illinois</b>						
September 1993 .....	W	W	W	W	W	W
August 1993 .....	W	W	W	W	39.2	16.9
September 1992 .....	W	W	42.0	27.6	42.5	27.7
<b>Indiana</b>						
September 1993 .....	40.2	-	28.2	25.7	28.6	25.7
August 1993 .....	40.0	-	27.7	W	28.2	W
September 1992 .....	W	W	36.0	35.4	36.4	35.5
<b>Michigan</b>						
September 1993 .....	42.9	44.0	34.6	W	40.3	43.9
August 1993 .....	42.2	W	33.6	-	41.2	W
September 1992 .....	39.8	43.3	34.9	W	38.8	37.1
<b>Minnesota</b>						
September 1993 .....	W	W	31.7	W	31.7	W
August 1993 .....	W	-	26.7	W	26.7	W
September 1992 .....	W	W	26.1	W	26.2	W
<b>Ohio</b>						
September 1993 .....	W	W	33.4	W	34.3	W
August 1993 .....	W	W	35.3	W	35.6	23.9
September 1992 .....	39.0	W	33.3	W	34.5	31.5
<b>PAD District III Average<sup>a</sup></b>						
September 1993 .....	W	27.1	27.2	25.3	27.3	25.7
August 1993 .....	W	29.5	26.6	25.0	26.4	25.9
September 1992 .....	W	35.9	33.3	32.5	33.6	33.7
<b>Alabama</b>						
September 1993 .....	W	W	30.7	W	30.7	W
August 1993 .....	-	-	28.9	W	28.9	W
September 1992 .....	-	-	36.8	W	36.8	W
<b>Louisiana</b>						
September 1993 .....	W	W	28.5	25.7	27.2	25.5
August 1993 .....	W	28.9	25.7	25.4	25.7	25.5
September 1992 .....	W	35.6	33.0	32.5	33.8	33.3
<b>Mississippi</b>						
September 1993 .....	-	W	26.8	NA	26.8	26.5
August 1993 .....	-	W	29.2	W	29.2	W
September 1992 .....	-	-	W	-	W	-
<b>Texas</b>						
September 1993 .....	-	28.1	26.8	25.2	26.8	25.9
August 1993 .....	-	30.2	26.6	24.4	26.6	26.6
September 1992 .....	-	36.0	33.1	32.6	33.1	34.0
<b>PAD District IV Average</b>						
September 1993 .....	-	31.3	27.8	W	27.8	25.9
August 1993 .....	-	30.8	28.9	W	29.9	26.2
September 1992 .....	W	30.0	27.3	14.4	28.0	22.7
<b>PAD District V Average<sup>a</sup></b>						
September 1993 .....	40.8	25.8	26.8	24.1	29.3	24.4
August 1993 .....	46.3	25.9	28.0	25.9	31.7	25.9
September 1992 .....	45.7	31.9	36.8	35.2	38.7	34.9

See footnotes at end of table.

**Table 41. Residual Fuel Oil Prices by PAD District and Selected States (Continued)**  
(Cents per Gallon Excluding Taxes)

Geographic Area Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>California</b>						
September 1993 .....	NA	25.7	26.0	26.0	26.2	25.9
August 1993 .....	55.2	25.5	27.2	26.6	27.4	26.1
September 1992 .....	W	31.9	35.6	36.0	35.6	35.5
<b>Hawaii</b>						
September 1993 .....	W	-	29.4	W	38.1	W
August 1993 .....	W	W	30.1	W	42.7	W
September 1992 .....	W	-	42.1	42.2	W	42.2
<b>Oregon</b>						
September 1993 .....	-	-	NA	34.7	NA	34.7
August 1993 .....	-	-	31.1	W	31.1	W
September 1992 .....	-	-	38.5	40.9	38.5	40.9
<b>Washington</b>						
September 1993 .....	W	-	26.3	22.4	26.3	22.4
August 1993 .....	W	-	27.7	25.2	27.7	25.2
September 1992 .....	-	-	36.6	32.7	36.6	32.7

\* Some State data are not sufficient for publication individually, but are used in calculating the PAD District average.

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."



# **Sales Volumes of Petroleum Products**



**Table 42. Refiner Total Motor Gasoline Volumes by Seller,  
PAD District, and State**  
(Thousand Gallons)

Geographic Area Month	Major Refiners			Other Refiners			Total		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>U.S. Total</b>									
September 1993 .....	1,210,673	54,486	6,259,836	442,189	16,959	1,757,765	1,652,862	71,445	8,017,601
August 1993 .....	1,261,998	53,758	6,865,370	479,870	17,068	1,837,543	1,741,868	70,826	8,502,913
September 1992 .....	1,248,436	51,581	6,317,243	438,346	19,009	1,731,149	1,686,782	70,590	8,046,392
<b>PAD District I Total</b>									
September 1993 .....	352,971	17,789	2,414,612	70,665	9,738	264,005	423,636	27,527	2,678,617
August 1993 .....	377,847	17,985	2,545,311	75,204	9,754	274,310	453,051	27,739	2,819,621
September 1992 .....	378,402	15,754	2,426,243	73,467	9,455	267,054	451,869	25,209	2,693,297
<b>Subdistrict IA Total</b>									
September 1993 .....	19,333	W	313,155	-	W	24,806	19,333	3,857	337,761
August 1993 .....	21,420	W	322,932	-	W	16,422	21,420	4,052	339,354
September 1992 .....	19,386	W	310,579	-	W	18,115	19,386	2,450	328,694
<b>Connecticut</b>									
September 1993 .....	W	336	W	-	W	W	W	W	90,931
August 1993 .....	W	W	W	-	W	W	W	630	90,610
September 1992 .....	W	W	W	-	W	W	W	591	96,697
<b>Maine</b>									
September 1993 .....	-	W	W	-	W	W	-	163	39,285
August 1993 .....	-	W	W	-	W	W	-	223	45,879
September 1992 .....	-	W	W	-	W	W	-	203	38,909
<b>Massachusetts</b>									
September 1993 .....	10,675	W	W	-	W	W	10,675	2,294	155,446
August 1993 .....	11,571	W	W	-	W	W	11,571	2,597	143,912
September 1992 .....	10,440	W	W	-	W	W	10,440	1,261	134,135
<b>New Hampshire</b>									
September 1993 .....	2,564	W	W	-	W	W	2,564	283	15,253
August 1993 .....	2,838	W	W	-	W	W	2,838	W	18,616
September 1992 .....	W	66	W	-	W	W	W	W	18,236
<b>Rhode Island</b>									
September 1993 .....	W	W	W	-	W	W	W	309	30,922
August 1993 .....	W	W	W	-	W	W	W	209	32,471
September 1992 .....	2,474	W	W	-	W	W	2,474	228	36,081
<b>Vermont</b>									
September 1993 .....	-	W	W	-	W	W	-	W	5,924
August 1993 .....	-	-	W	-	W	W	-	W	6,866
September 1992 .....	-	W	W	-	W	W	-	W	4,836
<b>Subdistrict IB Total</b>									
September 1993 .....	126,979	W	1,022,633	28,116	W	104,713	155,095	11,735	1,127,346
August 1993 .....	139,624	W	1,072,668	30,047	W	115,109	169,671	11,741	1,187,777
September 1992 .....	129,111	W	1,069,422	28,836	W	107,779	157,947	10,186	1,177,201
<b>Delaware</b>									
September 1993 .....	W	W	W	-	-	W	W	W	24,893
August 1993 .....	W	258	W	-	-	W	W	258	26,300
September 1992 .....	W	W	W	-	-	W	W	W	26,683
<b>District of Columbia</b>									
September 1993 .....	-	W	W	-	-	W	-	W	12,525
August 1993 .....	-	W	12,645	-	-	-	-	W	12,645
September 1992 .....	-	W	W	-	-	W	-	W	12,915
<b>Maryland</b>									
September 1993 .....	-	W	W	-	W	W	-	1,719	150,691
August 1993 .....	-	1,720	W	NA	W	W	NA	W	162,982
September 1992 .....	-	W	134,337	W	W	16,426	W	879	150,763
<b>New Jersey</b>									
September 1993 .....	W	W	258,116	W	W	22,872	33,477	2,711	280,988
August 1993 .....	W	W	269,606	W	W	25,084	37,907	2,674	284,690
September 1992 .....	W	W	329,944	W	W	25,640	32,878	2,189	355,584
<b>New York</b>									
September 1993 .....	45,389	W	294,173	W	W	27,083	W	2,780	321,256
August 1993 .....	48,688	W	311,151	W	W	34,954	W	2,488	346,105
September 1992 .....	W	W	289,961	W	W	26,557	60,973	2,148	316,518
<b>Pennsylvania</b>									
September 1993 .....	49,501	1,624	298,725	12,550	2,442	38,268	62,051	4,066	336,993
August 1993 .....	54,280	1,549	314,080	13,664	2,767	38,995	67,944	4,316	353,055
September 1992 .....	50,521	1,199	279,686	12,800	3,166	35,052	63,321	4,365	314,738

See footnotes at end of table.

**Table 42. Refiner Total Motor Gasoline Volumes by Seller,  
PAD District, and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Major Refiners			Other Refiners			Total		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Subdistrict IC Total</b>									
September 1993 .....	206,859	9,157	1,078,824	42,549	2,778	134,686	249,208	11,935	1,213,510
August 1993 .....	216,803	9,600	1,149,711	45,157	2,346	142,779	261,960	11,946	1,292,490
September 1992 .....	229,905	9,473	1,046,242	44,631	3,100	141,160	274,538	12,573	1,187,402
<b>Florida</b>									
September 1993 .....	98,951	W	322,206	10,448	W	44,173	107,399	5,244	368,379
August 1993 .....	100,581	W	346,325	10,784	W	42,104	111,365	4,674	388,429
September 1992 .....	111,648	W	312,292	10,828	W	45,728	122,476	4,992	356,020
<b>Georgia</b>									
September 1993 .....	41,780	2,166	199,205	4,638	-	31,104	46,418	2,168	230,309
August 1993 .....	44,251	W	211,320	4,762	W	30,914	49,013	2,467	242,234
September 1992 .....	45,347	1,899	189,600	5,249	-	29,698	50,596	1,899	219,298
<b>North Carolina</b>									
September 1993 .....	W	W	228,167	W	W	19,074	23,260	702	247,241
August 1993 .....	W	W	241,947	W	W	22,022	24,233	828	263,969
September 1992 .....	W	2,271	222,529	W	-	25,251	24,282	2,271	247,780
<b>South Carolina</b>									
September 1993 .....	W	W	W	W	W	W	28,352	544	118,286
August 1993 .....	W	877	108,531	W	-	18,605	30,238	677	127,136
September 1992 .....	W	974	98,932	W	-	12,558	28,916	974	111,490
<b>Virginia</b>									
September 1993 .....	W	1,670	202,260	W	334	21,731	28,504	2,004	223,991
August 1993 .....	W	1,646	217,790	W	357	23,467	30,892	2,003	241,257
September 1992 .....	W	W	200,166	W	W	23,268	31,256	1,123	223,434
<b>West Virginia</b>									
September 1993 .....	W	W	W	W	W	W	15,275	1,275	27,302
August 1993 .....	W	W	23,798	W	W	5,667	16,219	1,297	29,465
September 1992 .....	W	W	22,723	W	W	4,657	17,010	1,314	27,380
<b>PAD District II Total</b>									
September 1993 .....	436,325	20,868	1,652,549	174,634	1,587	604,917	610,959	22,455	2,257,466
August 1993 .....	464,309	20,531	1,758,302	182,256	1,523	636,609	646,565	22,054	2,394,911
September 1992 .....	438,673	19,276	1,612,187	173,047	778	611,004	611,720	20,054	2,223,191
<b>Illinois</b>									
September 1993 .....	W	W	246,087	W	W	47,203	77,225	1,215	293,290
August 1993 .....	W	W	257,877	W	W	59,885	80,420	1,249	317,962
September 1992 .....	W	W	272,972	W	W	46,963	74,121	1,091	319,935
<b>Indiana</b>									
September 1993 .....	W	W	135,452	W	W	29,359	50,754	727	164,811
August 1993 .....	W	W	141,320	W	W	24,582	55,398	718	165,902
September 1992 .....	W	W	129,849	W	W	38,828	48,240	730	168,677
<b>Iowa</b>									
September 1993 .....	2,340	W	55,627	6,926	-	44,791	9,266	W	100,418
August 1993 .....	2,451	W	58,826	7,506	-	50,504	9,957	W	109,330
September 1992 .....	2,471	W	59,409	8,303	-	45,291	10,774	W	104,700
<b>Kansas</b>									
September 1993 .....	8,011	W	34,618	11,757	W	82,228	19,768	707	116,646
August 1993 .....	8,641	W	37,590	12,543	W	77,419	21,184	731	115,009
September 1992 .....	7,954	W	34,719	10,611	W	79,265	18,565	192	113,984
<b>Kentucky</b>									
September 1993 .....	24,542	2,338	109,056	1,927	-	6,154	26,469	2,338	115,210
August 1993 .....	25,249	1,969	110,028	2,034	-	10,752	27,283	1,969	120,780
September 1992 .....	23,886	2,006	98,403	3,229	-	10,299	27,115	2,006	108,702
<b>Michigan</b>									
September 1993 .....	W	W	239,219	W	W	44,437	88,842	4,276	283,656
August 1993 .....	W	W	257,026	W	W	43,309	94,267	4,219	300,335
September 1992 .....	W	4,017	224,586	W	-	46,811	90,517	4,017	271,377
<b>Minnesota</b>									
September 1993 .....	33,413	W	75,534	10,174	W	48,263	43,587	709	123,797
August 1993 .....	35,912	W	83,068	10,479	W	51,600	46,391	628	134,666
September 1992 .....	28,675	W	74,067	10,248	W	49,480	38,923	463	123,547
<b>Missouri</b>									
September 1993 .....	19,286	W	102,927	17,365	W	48,233	36,651	1,328	151,160
August 1993 .....	21,709	W	109,761	18,666	W	39,707	40,375	W	149,468
September 1992 .....	22,369	W	97,481	16,284	W	57,497	38,653	1,024	154,978

See footnotes at end of table.

**Table 42. Refiner Total Motor Gasoline Volumes by Seller,  
PAD District, and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Major Refiners			Other Refiners			Total		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Nebraska</b>									
September 1993 .....	W	W	28,938	W	W	29,288	5,724	241	58,226
August 1993 .....	W	W	30,918	W	W	31,030	6,056	230	61,948
September 1992 .....	W	W	25,833	W	-	28,606	6,420	W	54,439
<b>North Dakota</b>									
September 1993 .....	396	47	15,642	NA	-	16,858	399	47	32,500
August 1993 .....	470	W	15,611	-	-	19,580	470	W	35,191
September 1992 .....	548	W	13,474	W	-	15,951	W	W	29,425
<b>Ohio</b>									
September 1993 .....	W	W	217,946	W	W	13,683	160,614	7,812	231,629
August 1993 .....	W	W	231,275	W	W	18,604	168,376	7,856	249,879
September 1992 .....	W	W	205,732	W	W	14,796	164,800	7,799	220,528
<b>Oklahoma</b>									
September 1993 .....	16,661	W	77,260	7,073	W	101,945	23,734	1,404	179,205
August 1993 .....	17,450	W	94,673	7,362	W	105,768	24,812	1,821	200,441
September 1992 .....	16,981	W	91,056	7,157	W	81,887	24,138	1,310	172,943
<b>South Dakota</b>									
September 1993 .....	W	W	18,318	W	W	15,241	727	39	33,559
August 1993 .....	W	W	21,452	W	W	18,332	787	18	39,784
September 1992 .....	W	W	16,039	W	NA	15,428	W	W	31,467
<b>Tennessee</b>									
September 1993 .....	26,744	842	189,773	15,213	203	29,321	41,957	1,045	219,094
August 1993 .....	28,430	716	195,570	15,768	177	34,665	44,168	893	230,235
September 1992 .....	26,253	728	167,633	14,611	218	33,848	42,864	946	201,481
<b>Wisconsin</b>									
September 1993 .....	W	322	106,152	W	W	47,913	25,242	W	154,065
August 1993 .....	W	W	113,507	W	W	51,072	26,604	382	184,579
September 1992 .....	W	W	100,954	W	W	46,054	25,322	239	147,008
<b>PAD District III Total</b>									
September 1993 .....	151,160	5,898	824,487	89,828	2,770	543,331	240,988	8,668	1,367,818
August 1993 .....	159,607	5,387	871,698	107,309	2,613	559,843	266,916	8,000	1,431,541
September 1992 .....	163,648	4,462	944,942	92,566	1,545	509,355	256,214	6,007	1,454,297
<b>Alabama</b>									
September 1993 .....	9,872	W	121,283	2,931	W	27,366	12,803	1,250	148,648
August 1993 .....	10,500	W	122,997	2,893	W	29,076	13,493	1,032	152,073
September 1992 .....	11,348	W	116,106	3,716	W	29,234	15,064	853	145,340
<b>Arkansas</b>									
September 1993 .....	W	W	65,879	W	W	50,969	9,575	116	116,848
August 1993 .....	W	W	67,471	W	W	46,634	10,330	149	114,105
September 1992 .....	W	W	60,825	W	W	36,181	10,489	167	97,016
<b>Louisiana</b>									
September 1993 .....	18,862	1,048	101,755	4,065	42	49,200	22,947	1,090	150,955
August 1993 .....	19,880	1,083	120,179	4,810	50	58,981	24,490	1,143	179,160
September 1992 .....	20,133	759	129,534	4,387	54	44,971	24,520	813	174,505
<b>Mississippi</b>									
September 1993 .....	W	432	80,243	W	213	27,899	3,889	645	108,142
August 1993 .....	W	192	78,709	W	275	37,601	4,227	467	116,310
September 1992 .....	W	211	84,657	W	251	37,428	5,271	462	132,085
<b>New Mexico</b>									
September 1993 .....	2,882	364	32,710	6,834	80	22,728	9,716	444	55,438
August 1993 .....	3,062	367	33,298	7,923	89	26,336	10,985	456	58,634
September 1992 .....	3,032	W	30,573	6,429	W	22,622	9,461	307	53,395
<b>Texas</b>									
September 1993 .....	114,937	W	422,617	67,121	W	365,169	182,058	5,123	787,786
August 1993 .....	121,396	2,616	449,044	81,995	2,137	382,215	203,391	4,753	811,259
September 1992 .....	123,064	2,362	513,247	68,365	1,043	338,709	191,429	3,405	851,956
<b>PAD District IV Total</b>									
September 1993 .....	37,362	1,139	156,957	28,705	631	95,546	66,067	1,770	252,503
August 1993 .....	39,503	618	182,747	32,896	629	102,287	72,399	1,247	285,034
September 1992 .....	39,342	548	144,427	27,365	981	104,011	66,707	1,529	248,438

See footnotes at end of table.

**Table 42. Refiner Total Motor Gasoline Volumes by Seller,  
PAD District, and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Major Refiners			Other Refiners			Total		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Colorado</b>									
September 1993 .....	25,723	W	51,507	25,606	W	34,351	51,329	W	85,858
August 1993 .....	27,068	W	57,520	29,524	W	37,147	56,592	W	94,667
September 1992 .....	26,199	W	46,273	24,449	W	42,435	50,648	333	86,708
<b>Idaho</b>									
September 1993 .....	-	W	29,207	W	-	16,342	W	W	45,549
August 1993 .....	-	W	31,842	W	-	16,975	W	W	48,817
September 1992 .....	W	W	27,778	W	-	15,667	537	W	43,445
<b>Montana</b>									
September 1993 .....	-	W	25,991	W	NA	15,386	W	NA	41,377
August 1993 .....	-	W	30,554	W	NA	17,049	W	NA	47,603
September 1992 .....	W	W	21,163	W	221	15,484	W	W	36,647
<b>Utah</b>									
September 1993 .....	W	W	39,481	W	W	18,515	11,793	1,129	57,996
August 1993 .....	W	W	49,400	W	W	18,874	12,525	535	68,274
September 1992 .....	W	W	39,197	W	W	19,756	10,878	688	58,653
<b>Wyoming</b>									
September 1993 .....	W	W	10,771	W	W	10,952	2,214	127	21,723
August 1993 .....	W	W	13,431	W	W	12,242	2,456	157	25,673
September 1992 .....	W	W	10,016	1,292	W	10,669	W	237	20,885
<b>PAD District V Total</b>									
September 1993 .....	232,855	8,792	1,211,231	78,356	2,233	249,966	311,211	11,025	1,461,197
August 1993 .....	220,732	9,237	1,307,312	82,205	2,550	264,484	302,937	11,787	1,571,806
September 1992 .....	228,371	11,541	1,189,444	71,901	6,250	239,725	300,272	17,791	1,428,169
<b>Alaska</b>									
September 1993 .....	W	W	W	W	W	W	6,714	W	13,178
August 1993 .....	W	W	W	W	W	W	7,185	W	15,351
September 1992 .....	W	W	W	W	W	W	6,032	1,509	13,729
<b>Arizona</b>									
September 1993 .....	W	W	80,872	W	W	12,597	34,896	993	93,469
August 1993 .....	W	W	82,574	W	W	12,827	32,531	970	95,401
September 1992 .....	W	W	79,713	W	W	13,725	35,034	2,550	93,438
<b>California</b>									
September 1993 .....	144,668	W	813,913	56,528	W	183,698	201,196	5,827	997,611
August 1993 .....	136,884	W	875,154	59,460	W	191,114	196,344	5,879	1,066,268
September 1992 .....	138,008	7,819	798,997	51,030	1,590	178,013	189,038	9,408	977,010
<b>Hawaii</b>									
September 1993 .....	W	W	W	W	W	W	5,608	W	21,703
August 1993 .....	W	W	W	W	W	W	5,683	W	22,300
September 1992 .....	W	W	W	W	W	W	5,566	W	22,011
<b>Nevada</b>									
September 1993 .....	W	W	44,051	W	W	9,747	4,624	308	53,798
August 1993 .....	W	W	54,031	W	W	10,956	4,181	422	64,987
September 1992 .....	W	W	47,877	W	W	10,853	5,043	395	58,530
<b>Oregon</b>									
September 1993 .....	W	W	89,462	W	W	18,241	13,869	398	107,703
August 1993 .....	W	W	100,779	W	W	19,601	14,332	339	120,380
September 1992 .....	W	176	88,993	W	W	12,580	13,578	W	101,573
<b>Washington</b>									
September 1993 .....	W	408	155,628	W	-	18,107	44,304	406	173,735
August 1993 .....	W	368	166,111	W	-	21,008	42,701	368	187,119
September 1992 .....	W	W	145,942	W	W	18,936	45,981	902	182,878

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 43. Refiner Motor Gasoline Volumes by Grade,  
PAD District, and State**  
(Thousand Gallons)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>U.S. Total</b>								
September 1993 .....	17,088	96,725	1,107,821	5,444,268	274,883	846,403	324,515	1,630,205
August 1993 .....	16,441	105,657	1,163,473	5,785,912	292,149	890,695	340,631	1,720,649
September 1992 .....	22,376	122,684	1,159,676	5,614,801	268,764	823,280	306,556	1,467,627
<b>PAD District I Total</b>								
September 1993 .....	W	W	262,962	1,582,829	W	W	105,742	719,152
August 1993 .....	W	15	281,263	1,649,279	W	404,708	111,468	765,619
September 1992 .....	W	12	289,666	1,627,724	W	384,736	100,993	680,825
<b>Subdistrict IA Total</b>								
September 1993 .....	-	-	12,912	205,330	4,269	46,647	6,009	85,784
August 1993 .....	-	-	14,233	197,971	4,685	49,999	6,554	91,384
September 1992 .....	-	-	12,464	198,435	4,078	45,487	6,293	84,772
<b>Connecticut</b>								
September 1993 .....	-	-	2,505	50,409	794	15,421	W	25,101
August 1993 .....	-	-	W	50,089	960	15,721	1,463	24,800
September 1992 .....	-	-	2,442	56,125	870	13,618	W	26,954
<b>Maine</b>								
September 1993 .....	-	-	W	26,528	W	5,123	W	7,634
August 1993 .....	-	-	202	30,798	W	5,700	W	9,381
September 1992 .....	-	-	W	27,174	W	4,835	W	6,900
<b>Massachusetts</b>								
September 1993 .....	-	-	7,146	96,199	2,481	16,897	3,342	40,350
August 1993 .....	-	-	8,009	81,274	2,582	20,044	3,577	42,594
September 1992 .....	-	-	6,747	78,666	2,189	16,506	2,755	36,963
<b>New Hampshire</b>								
September 1993 .....	-	-	1,664	9,506	478	2,515	705	3,232
August 1993 .....	-	-	1,857	12,099	W	W	803	W
September 1992 .....	-	-	1,520	11,746	W	W	575	W
<b>Rhode Island</b>								
September 1993 .....	-	-	1,378	18,952	W	3,831	817	8,139
August 1993 .....	-	-	1,417	19,406	582	4,219	W	8,846
September 1992 .....	-	-	1,529	21,750	549	4,939	624	9,392
<b>Vermont</b>								
September 1993 .....	-	-	W	3,736	-	660	-	1,328
August 1993 .....	-	-	W	4,305	-	W	-	W
September 1992 .....	-	-	W	2,874	-	W	-	W
<b>Subdistrict IB Total</b>								
September 1993 .....	W	W	100,977	652,682	W	W	39,284	332,744
August 1993 .....	W	W	108,734	679,263	W	W	42,665	356,785
September 1992 .....	W	W	105,466	702,286	W	W	35,492	327,942
<b>Delaware</b>								
September 1993 .....	-	-	558	14,943	223	5,060	W	4,890
August 1993 .....	-	-	734	16,566	291	5,984	W	5,750
September 1992 .....	-	-	575	15,878	W	5,775	186	5,030
<b>District of Columbia</b>								
September 1993 .....	-	-	W	3,779	W	2,524	W	6,222
August 1993 .....	-	-	W	3,908	W	2,614	W	6,123
September 1992 .....	-	-	W	4,294	56	2,647	W	5,974
<b>Maryland</b>								
September 1993 .....	-	-	1,183	77,126	252	29,902	284	43,573
August 1993 .....	-	-	W	83,284	258	32,534	277	47,164
September 1992 .....	-	-	638	78,734	149	31,995	W	40,034
<b>New Jersey</b>								
September 1993 .....	-	-	18,600	162,501	5,438	31,330	11,150	97,157
August 1993 .....	-	-	21,883	148,452	6,187	31,945	12,511	104,293
September 1992 .....	-	-	18,930	223,327	5,857	30,283	10,380	101,974
<b>New York</b>								
September 1993 .....	W	-	39,691	187,373	8,086	33,665	13,738	100,218
August 1993 .....	W	W	41,872	199,759	8,551	W	14,817	109,851
September 1992 .....	W	W	W	181,512	8,470	W	12,908	100,859
<b>Pennsylvania</b>								
September 1993 .....	W	W	W	216,940	12,489	W	13,792	80,684
August 1993 .....	W	W	43,912	227,294	W	W	14,713	83,804
September 1992 .....	W	W	43,484	198,541	12,363	W	W	74,071
<b>Subdistrict IC Total</b>								
September 1993 .....	W	-	149,073	724,637	W	188,249	60,469	300,624
August 1993 .....	W	W	157,296	772,045	W	W	62,249	317,450
September 1992 .....	W	W	171,736	727,003	W	W	60,198	268,111

See footnotes at end of table.

**Table 43. Refiner Motor Gasoline Volumes by Grade,  
PAD District, and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Florida</b>								
September 1993 .....	-	-	58,689	200,918	22,461	60,763	31,493	104,699
August 1993 .....	-	-	60,993	213,415	23,205	64,901	31,841	110,113
September 1992 .....	-	-	69,180	202,111	25,661	60,382	32,627	95,527
<b>Georgia</b>								
September 1993 .....	-	-	28,324	142,750	9,908	33,738	10,352	53,821
August 1993 .....	-	-	30,290	150,774	10,446	34,801	10,744	58,659
September 1992 .....	-	-	32,530	138,300	9,883	34,536	10,082	46,482
<b>North Carolina</b>								
September 1993 .....	-	-	15,233	158,129	4,663	36,328	4,066	52,784
August 1993 .....	-	-	16,022	167,921	4,841	39,406	4,198	56,642
September 1992 .....	-	-	18,214	162,724	4,605	37,209	3,734	47,647
<b>South Carolina</b>								
September 1993 .....	-	-	18,602	77,972	5,282	16,188	5,012	24,126
August 1993 .....	-	-	18,682	83,664	5,875	18,147	5,358	25,326
September 1992 .....	-	-	20,707	75,029	5,026	16,774	4,157	19,687
<b>Virginia</b>								
September 1993 .....	-	-	17,184	127,464	6,158	36,695	7,166	59,832
August 1993 .....	-	W	18,647	136,982	6,732	W	7,516	63,199
September 1992 .....	-	-	18,760	131,221	6,634	38,874	6,985	63,339
<b>West Virginia</b>								
September 1993 .....	W	-	11,041	17,404	W	4,537	2,380	5,361
August 1993 .....	W	-	11,662	19,289	W	4,664	2,592	5,512
September 1992 .....	W	W	12,345	17,618	W	W	2,613	5,249
<b>PAD District II Total</b>								
September 1993 .....	W	W	439,625	1,734,075	W	W	97,287	336,223
August 1993 .....	W	5,277	462,420	1,843,354	W	185,135	103,561	361,145
September 1992 .....	W	8,207	447,691	1,748,753	W	173,026	87,264	293,205
<b>Illinois</b>								
September 1993 .....	-	W	52,185	210,929	12,421	W	13,834	52,526
August 1993 .....	-	W	54,367	227,754	13,038	W	14,284	58,075
September 1992 .....	-	W	50,618	239,793	12,253	W	12,341	49,343
<b>Indiana</b>								
September 1993 .....	W	W	35,399	118,762	W	W	8,259	25,702
August 1993 .....	W	W	36,262	119,089	W	W	9,150	26,652
September 1992 .....	W	W	34,904	125,303	7,301	W	W	21,978
<b>Iowa</b>								
September 1993 .....	W	-	8,125	92,347	W	832	844	7,239
August 1993 .....	W	-	8,648	99,948	W	1,026	910	8,356
September 1992 .....	W	-	8,812	95,162	1,049	1,784	984	7,754
<b>Kansas</b>								
September 1993 .....	-	-	16,483	105,412	1,585	1,712	2,407	9,722
August 1993 .....	-	-	17,623	102,606	1,690	1,989	2,602	10,414
September 1992 .....	W	W	14,767	102,054	W	W	2,366	9,501
<b>Kentucky</b>								
September 1993 .....	W	W	18,616	72,170	W	W	5,208	22,534
August 1993 .....	W	W	18,920	81,793	5,190	W	W	22,022
September 1992 .....	W	96	19,559	74,102	4,679	15,885	W	18,619
<b>Michigan</b>								
September 1993 .....	-	W	68,124	210,061	11,726	W	13,288	47,651
August 1993 .....	-	W	71,011	220,348	12,325	W	15,150	51,454
September 1992 .....	W	1,378	71,626	204,846	11,326	25,344	W	39,809
<b>Minnesota</b>								
September 1993 .....	W	-	33,888	107,134	5,327	6,300	W	10,363
August 1993 .....	W	-	36,111	116,541	5,557	6,456	W	11,671
September 1992 .....	W	-	30,204	107,733	4,616	5,836	W	9,979
<b>Missouri</b>								
September 1993 .....	-	-	28,999	118,814	5,214	7,710	5,766	24,836
August 1993 .....	-	-	29,411	115,705	W	7,881	6,272	25,882
September 1992 .....	W	-	27,745	123,305	W	9,430	6,054	22,243
<b>Nebraska</b>								
September 1993 .....	W	W	5,145	54,703	W	W	539	3,418
August 1993 .....	W	W	5,394	57,976	281	W	W	3,834
September 1992 .....	W	W	4,355	51,085	1,583	W	483	2,681
<b>North Dakota</b>								
September 1993 .....	-	W	360	29,072	W	W	W	1,583
August 1993 .....	-	W	432	31,404	W	W	48	1,782
September 1992 .....	W	W	472	26,050	47	W	78	1,354

See footnotes at end of table.

**Table 43. Refiner Motor Gasoline Volumes by Grade,  
PAD District, and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Ohio</b>								
September 1993 .....	W	W	111,951	166,816	30,961	W	W	37,417
August 1993 .....	W	W	116,486	182,421	33,035	W	W	39,397
September 1992 .....	W	W	119,852	166,906	30,568	W	W	32,253
<b>Oklahoma</b>								
September 1993 .....	-	W	17,191	157,856	3,765	W	4,182	19,405
August 1993 .....	-	W	18,279	176,835	3,876	W	4,478	21,499
September 1992 .....	W	1,319	17,781	152,070	W	2,748	4,005	16,806
<b>South Dakota</b>								
September 1993 .....	-	W	725	30,379	W	W	W	2,349
August 1993 .....	-	W	761	35,255	W	W	W	3,342
September 1992 .....	-	W	676	28,621	W	W	25	2,010
<b>Tennessee</b>								
September 1993 .....	-	-	24,836	135,747	9,011	32,835	9,155	50,512
August 1993 .....	-	-	26,199	143,709	9,435	34,095	9,447	52,431
September 1992 .....	-	-	26,573	130,502	8,933	29,935	8,304	41,044
<b>Wisconsin</b>								
September 1993 .....	-	-	19,499	123,873	W	9,026	3,389	21,166
August 1993 .....	-	-	20,515	131,070	2,881	9,385	3,590	23,224
September 1992 .....	-	-	19,747	121,221	2,666	7,955	3,148	17,832
<b>PAD District III Total</b>								
September 1993 .....	1,108	8,121	146,774	974,359	48,104	139,524	53,670	245,814
August 1993 .....	1,301	7,325	163,352	1,031,806	52,981	145,718	57,282	246,692
September 1992 .....	1,497	12,146	159,668	1,106,954	49,192	136,082	51,864	199,115
<b>Alabama</b>								
September 1993 .....	-	W	8,109	96,626	2,935	W	3,009	32,176
August 1993 .....	-	-	8,466	99,299	2,974	20,431	3,085	32,343
September 1992 .....	-	-	9,838	98,908	3,343	19,483	2,736	26,949
<b>Arkansas</b>								
September 1993 .....	-	W	6,604	86,885	1,786	W	1,301	20,456
August 1993 .....	-	W	7,164	84,367	1,963	W	1,352	19,768
September 1992 .....	-	W	7,414	70,741	1,964	W	1,258	15,864
<b>Louisiana</b>								
September 1993 .....	-	-	12,967	86,825	5,085	20,007	5,985	34,123
August 1993 .....	-	-	13,999	122,688	5,423	20,675	6,211	35,797
September 1992 .....	-	-	14,107	121,571	5,226	21,806	6,000	31,128
<b>Mississippi</b>								
September 1993 .....	-	-	2,857	73,527	851	12,545	826	22,070
August 1993 .....	-	-	3,092	81,386	818	13,880	784	21,044
September 1992 .....	-	-	3,846	103,138	W	13,027	W	15,920
<b>New Mexico</b>								
September 1993 .....	W	5,720	7,677	42,404	W	1,866	1,095	5,448
August 1993 .....	W	5,778	8,653	44,864	W	2,138	1,249	5,854
September 1992 .....	1,019	7,938	7,345	39,722	W	747	W	4,988
<b>Texas</b>								
September 1993 .....	W	2,350	108,560	578,092	W	75,803	41,454	131,541
August 1993 .....	W	W	121,978	599,202	W	W	44,602	131,886
September 1992 .....	478	W	117,118	672,874	37,230	W	40,008	104,266
<b>PAD District IV Total</b>								
September 1993 .....	1,341	24,711	43,181	176,772	11,676	11,465	11,640	39,555
August 1993 .....	1,249	27,395	47,528	198,658	12,396	12,545	12,475	46,436
September 1992 .....	3,421	33,156	45,418	171,150	8,361	9,556	11,036	34,576
<b>Colorado</b>								
September 1993 .....	W	1,572	33,714	63,189	9,446	7,963	7,830	13,134
August 1993 .....	W	1,662	37,800	69,109	W	8,956	8,457	14,940
September 1992 .....	W	5,293	34,775	62,425	W	7,715	7,484	13,275
<b>Idaho</b>								
September 1993 .....	69	W	303	30,516	-	W	W	5,332
August 1993 .....	76	W	319	32,654	-	W	W	6,278
September 1992 .....	105	10,630	506	28,711	-	-	W	4,104
<b>Montana</b>								
September 1993 .....	W	7,297	497	28,187	-	-	W	5,893
August 1993 .....	W	8,042	602	32,327	-	-	W	7,234
September 1992 .....	W	7,424	1,991	24,671	-	-	W	4,552

See footnotes at end of table.

**Table 43. Refiner Motor Gasoline Volumes by Grade,  
PAD District, and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Leaded Regular		Unleaded Regular		Unleaded Midgrade		Premium	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Utah</b>								
September 1993 .....	W	4,408	7,028	38,982	W	2,829	3,223	11,777
August 1993 .....	W	5,763	7,174	45,918	W	2,945	3,360	13,648
September 1992 .....	W	W	6,461	40,148	W	W	2,601	9,889
<b>Wyoming</b>								
September 1993 .....	W	W	1,641	15,898	W	W	485	3,419
August 1993 .....	243	W	1,831	18,650	-	W	539	4,336
September 1992 .....	W	W	1,885	15,195	-	W	448	2,756
<b>PAD District V Total</b>								
September 1993 .....	14,345	59,401	215,279	976,433	36,436	135,902	56,176	288,461
August 1993 .....	13,571	65,645	208,913	1,062,815	36,395	142,589	55,845	300,757
September 1992 .....	16,707	69,163	217,233	960,220	28,714	119,880	55,409	279,906
<b>Alaska</b>								
September 1993 .....	W	584	6,037	11,368	-	-	971	1,228
August 1993 .....	W	832	6,725	13,308	-	-	979	1,411
September 1992 .....	515	904	5,642	11,499	-	-	1,384	1,326
<b>Arizona</b>								
September 1993 .....	4,004	11,821	25,182	65,665	137	1,191	6,586	14,792
August 1993 .....	3,587	12,509	23,482	67,080	161	484	6,271	15,328
September 1992 .....	4,742	14,195	26,884	64,649	140	380	5,818	14,214
<b>California</b>								
September 1993 .....	-	-	134,935	658,779	34,556	127,071	37,332	211,761
August 1993 .....	-	-	130,496	715,733	34,521	133,594	37,206	216,941
September 1992 .....	W	W	134,858	652,687	W	112,886	36,804	W
<b>Hawaii</b>								
September 1993 .....	-	-	4,924	11,650	W	2,504	2,312	7,549
August 1993 .....	-	-	5,168	12,029	W	2,627	2,327	7,644
September 1992 .....	-	-	5,127	12,314	W	2,203	2,195	7,494
<b>Nevada</b>								
September 1993 .....	-	106	3,579	39,556	W	5,020	W	9,118
August 1993 .....	-	141	3,366	47,540	W	5,754	W	11,652
September 1992 .....	W	551	3,925	43,939	W	4,353	746	9,687
<b>Oregon</b>								
September 1993 .....	W	18,373	10,041	75,306	W	W	1,990	W
August 1993 .....	W	20,742	10,334	84,729	W	W	2,078	W
September 1992 .....	2,443	W	9,505	67,711	W	W	1,871	12,055
<b>Washington</b>								
September 1993 .....	7,803	28,517	30,601	114,109	W	W	W	W
August 1993 .....	7,374	31,821	29,342	122,396	W	W	W	W
September 1992 .....	9,000	31,730	31,292	107,421	-	W	6,591	W

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 44. Refiner Volumes of Aviation Fuels and Propane  
by PAD District and State  
(Thousand Gallons)**

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>U.S. Total</b>						
September 1993 .....	6,820	21,194	1,284,006	240,124	99,974	817,204
August 1993 .....	7,098	25,492	1,319,819	248,206	77,038	772,437
September 1992 .....	6,881	21,408	1,240,495	236,548	102,204	767,288
<b>PAD District I Total</b>						
September 1993 .....	2,647	3,270	363,772	33,104	W	118,446
August 1993 .....	2,861	4,159	375,850	38,583	NA	108,403
September 1992 .....	2,989	3,456	342,504	40,042	19,182	123,492
<b>Subdistrict IA Total</b>						
September 1993 .....	W	W	31,938	2,345	NA	NA
August 1993 .....	W	W	38,508	2,440	W	3,253
September 1992 .....	W	W	32,591	1,739	W	5,177
<b>Connecticut</b>						
September 1993 .....	W	W	6,458	W	W	960
August 1993 .....	W	W	6,790	W	W	813
September 1992 .....	W	W	6,263	W	W	1,613
<b>Maine</b>						
September 1993 .....	W	-	W	W	W	W
August 1993 .....	W	-	W	W	W	111
September 1992 .....	W	-	W	W	W	W
<b>Massachusetts</b>						
September 1993 .....	W	W	20,579	1,837	W	NA
August 1993 .....	W	W	23,032	1,926	W	1,547
September 1992 .....	W	W	19,817	1,326	W	1,811
<b>New Hampshire</b>						
September 1993 .....	W	W	637	W	NA	NA
August 1993 .....	W	W	755	W	W	NA
September 1992 .....	W	W	731	W	W	1,040
<b>Rhode Island</b>						
September 1993 .....	W	W	910	W	-	W
August 1993 .....	W	W	1,684	W	-	NA
September 1992 .....	W	W	1,544	W	-	W
<b>Vermont</b>						
September 1993 .....	W	W	W	W	NA	300
August 1993 .....	W	W	W	-	NA	359
September 1992 .....	W	W	W	W	W	385
<b>Subdistrict IB Total</b>						
September 1993 .....	W	W	179,701	19,888	W	39,138
August 1993 .....	W	W	184,779	25,993	72	34,148
September 1992 .....	W	W	182,282	28,190	W	42,160
<b>Delaware</b>						
September 1993 .....	W	W	W	W	-	W
August 1993 .....	W	W	W	W	-	W
September 1992 .....	W	W	89	W	-	W
<b>District of Columbia</b>						
September 1993 .....	-	-	W	-	-	-
August 1993 .....	W	-	W	-	-	-
September 1992 .....	W	-	-	-	-	-
<b>Maryland</b>						
September 1993 .....	W	W	7,233	W	NA	W
August 1993 .....	W	W	5,491	W	-	W
September 1992 .....	W	W	7,338	W	W	W
<b>New Jersey</b>						
September 1993 .....	249	W	132,249	11,410	W	7,028
August 1993 .....	233	W	136,496	14,264	W	6,712
September 1992 .....	224	173	135,894	20,197	303	9,273
<b>New York</b>						
September 1993 .....	W	175	10,136	2,245	W	6,598
August 1993 .....	W	W	11,354	5,573	W	4,042
September 1992 .....	W	W	9,398	1,732	W	5,481
<b>Pennsylvania</b>						
September 1993 .....	W	51	29,484	5,890	W	18,544
August 1993 .....	W	158	29,892	5,861	W	17,845
September 1992 .....	W	182	29,583	5,550	W	20,690
<b>Subdistrict IC Total</b>						
September 1993 .....	1,524	2,210	162,139	10,871	NA	76,340
August 1993 .....	1,502	2,673	154,585	10,140	NA	71,002
September 1992 .....	1,748	2,284	127,631	10,113	14,588	76,155

See footnotes at end of table.

**Table 44. Refiner Volumes of Aviation Fuels and Propane  
by PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Florida</b>						
September 1993 .....	861	1,023	67,218	5,838	W	13,629
August 1993 .....	857	1,034	74,081	5,644	W	11,792
September 1992 .....	1,109	1,120	52,536	4,053	4,254	11,912
<b>Georgia</b>						
September 1993 .....	178	457	41,542	2,424	W	14,093
August 1993 .....	160	W	38,875	2,040	W	13,450
September 1992 .....	153	488	32,193	1,806	W	13,807
<b>North Carolina</b>						
September 1993 .....	W	W	6,370	1,032	NA	26,853
August 1993 .....	W	W	5,409	960	W	26,944
September 1992 .....	147	W	8,169	942	W	30,068
<b>South Carolina</b>						
September 1993 .....	W	160	W	W	W	13,803
August 1993 .....	W	311	W	W	1,888	13,081
September 1992 .....	W	218	2,089	W	W	13,584
<b>Virginia</b>						
September 1993 .....	172	212	34,223	1,151	1,349	W
August 1993 .....	W	213	33,561	1,115	NA	W
September 1992 .....	103	W	32,054	2,917	1,116	5,823
<b>West Virginia</b>						
September 1993 .....	W	W	W	W	NA	W
August 1993 .....	W	W	W	W	NA	W
September 1992 .....	W	W	600	W	W	981
<b>PAD District II Total</b>						
September 1993 .....	1,782	5,103	224,133	34,054	32,958	282,649
August 1993 .....	1,757	6,497	253,717	36,727	23,982	275,050
September 1992 .....	1,426	5,798	254,620	31,868	33,714	282,769
<b>Illinois</b>						
September 1993 .....	W	W	39,198	2,914	6,249	33,397
August 1993 .....	W	W	45,110	2,904	4,263	30,641
September 1992 .....	W	W	34,715	3,324	5,384	37,296
<b>Indiana</b>						
September 1993 .....	54	837	36,218	4,373	2,667	11,784
August 1993 .....	W	919	42,639	10,016	2,021	11,160
September 1992 .....	77	793	48,112	7,613	2,659	15,472
<b>Iowa</b>						
September 1993 .....	W	329	W	791	W	13,222
August 1993 .....	-	431	1,257	810	W	12,163
September 1992 .....	W	313	1,141	983	W	8,468
<b>Kansas</b>						
September 1993 .....	W	359	W	W	W	93,896
August 1993 .....	W	584	W	W	W	99,770
September 1992 .....	W	368	8,949	551	W	68,072
<b>Kentucky</b>						
September 1993 .....	W	W	15,752	1,404	W	12,511
August 1993 .....	W	W	14,112	1,529	W	14,503
September 1992 .....	W	120	18,417	1,235	2,776	9,316
<b>Michigan</b>						
September 1993 .....	W	W	24,914	1,993	8,174	7,259
August 1993 .....	W	W	25,871	1,594	NA	8,673
September 1992 .....	W	W	26,144	1,108	6,871	6,685
<b>Minnesota</b>						
September 1993 .....	W	508	24,108	1,459	W	15,295
August 1993 .....	W	714	28,052	2,242	W	15,340
September 1992 .....	W	458	22,823	1,567	W	17,410

**Table 44. Refiner Volumes of Aviation Fuels and Propane  
by PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Ohio</b>						
September 1993 .....	W	351	24,193	3,264	2,367	15,856
August 1993 .....	W	435	33,858	3,563	1,579	17,642
September 1992 .....	W	692	32,155	3,936	2,377	18,564
<b>Oklahoma</b>						
September 1993 .....	W	330	15,927	11,918	258	17,200
August 1993 .....	W	386	19,024	7,140	330	14,403
September 1992 .....	W	377	33,015	6,430	W	19,250
<b>South Dakota</b>						
September 1993 .....	W	W	381	W	W	4,082
August 1993 .....	W	W	W	W	W	3,365
September 1992 .....	W	223	465	W	W	3,391
<b>Tennessee</b>						
September 1993 .....	190	405	17,041	717	NA	5,538
August 1993 .....	W	205	17,088	1,199	NA	4,714
September 1992 .....	W	484	12,524	1,216	W	6,721
<b>Wisconsin</b>						
September 1993 .....	-	440	4,475	850	2,977	13,434
August 1993 .....	-	825	5,045	975	2,407	10,508
September 1992 .....	-	407	4,107	1,083	2,325	11,876
<b>PAD District III Total</b>						
September 1993 .....	714	4,688	268,074	105,517	24,815	336,070
August 1993 .....	713	5,415	250,322	100,083	24,077	314,696
September 1992 .....	689	3,996	254,320	83,388	36,552	306,047
<b>Alabama</b>						
September 1993 .....	98	460	2,899	607	939	13,166
August 1993 .....	164	360	3,263	617	607	9,431
September 1992 .....	110	330	3,599	606	W	12,048
<b>Arkansas</b>						
September 1993 .....	W	W	410	716	W	8,704
August 1993 .....	W	W	479	884	W	5,306
September 1992 .....	W	308	462	727	2,664	6,355
<b>Louisiana</b>						
September 1993 .....	W	134	72,670	10,252	6,968	20,946
August 1993 .....	W	219	67,554	13,510	6,613	17,882
September 1992 .....	W	W	56,508	13,351	5,529	21,214
<b>Mississippi</b>						
September 1993 .....	W	231	17,639	2,491	W	21,424
August 1993 .....	94	384	17,792	13,820	W	24,297
September 1992 .....	82	310	14,453	6,680	W	19,062
<b>New Mexico</b>						
September 1993 .....	W	W	6,363	806	W	11,482
August 1993 .....	W	W	3,904	743	W	10,663
September 1992 .....	W	W	3,830	565	6,327	11,139
<b>Texas</b>						
September 1993 .....	301	3,208	168,093	80,643	7,099	260,343
August 1993 .....	219	3,776	157,330	70,709	8,821	247,176
September 1992 .....	275	2,568	175,468	61,449	20,060	236,231
<b>PAD District IV Total</b>						
September 1993 .....	336	1,033	43,454	5,360	NA	27,678
August 1993 .....	378	1,607	46,809	5,415	NA	25,573
September 1992 .....	295	1,222	38,083	4,656	3,098	25,537
<b>Colorado</b>						
September 1993 .....	W	442	25,757	3,258	NA	9,565
August 1993 .....	W	659	27,830	3,186	42	7,805
September 1992 .....	W	520	19,485	2,895	41	7,925
<b>Idaho</b>						
September 1993 .....	W	61	1,331	324	W	80
August 1993 .....	W	165	1,480	317	W	73
September 1992 .....	W	113	1,104	393	W	57
<b>Montana</b>						
September 1993 .....	W	W	1,415	W	NA	6,972
August 1993 .....	W	W	2,134	W	NA	8,885
September 1992 .....	W	W	1,789	W	W	6,200

See footnotes at end of table.

**Table 44. Refiner Volumes of Aviation Fuels and Propane  
by PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline		Kerosene-Type Jet Fuel		Propane (Consumer Grade)	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Utah</b>						
September 1993 .....	42	398	14,747	1,592	NA	2,304
August 1993 .....	46	583	15,034	1,580	NA	2,063
September 1992 .....	19	426	15,452	944	W	2,708
<b>Wyoming</b>						
September 1993 .....	37	W	204	W	382	8,757
August 1993 .....	W	W	331	W	75	8,746
September 1992 .....	40	W	253	W	W	8,647
<b>PAD District V Total</b>						
September 1993 .....	1,341	7,100	384,573	62,089	NA	52,361
August 1993 .....	1,389	7,814	393,121	67,418	NA	48,715
September 1992 .....	1,502	6,936	350,966	76,594	9,658	49,443
<b>Alaska</b>						
September 1993 .....	W	1,325	47,435	4,326	NA	W
August 1993 .....	W	1,820	48,171	W	NA	W
September 1992 .....	W	W	39,734	3,699	W	W
<b>Arizona</b>						
September 1993 .....	W	354	16,682	4,267	NA	W
August 1993 .....	W	584	17,210	3,435	NA	NA
September 1992 .....	W	W	14,631	1,801	W	2,354
<b>California</b>						
September 1993 .....	672	3,031	223,392	40,747	W	33,922
August 1993 .....	762	3,344	219,092	47,324	W	32,179
September 1992 .....	755	3,460	194,434	58,756	W	30,704
<b>Hawaii</b>						
September 1993 .....	W	W	26,817	401	W	W
August 1993 .....	W	W	27,959	W	W	W
September 1992 .....	W	W	32,915	351	W	W
<b>Nevada</b>						
September 1993 .....	W	W	15,355	1,965	NA	886
August 1993 .....	W	W	14,473	3,103	NA	NA
September 1992 .....	W	W	11,400	2,488	W	624
<b>Oregon</b>						
September 1993 .....	W	687	11,136	1,498	W	NA
August 1993 .....	W	718	13,411	1,770	W	286
September 1992 .....	W	568	11,946	1,087	W	248
<b>Washington</b>						
September 1993 .....	115	W	43,756	8,885	NA	12,575
August 1993 .....	100	1,055	52,805	3,482	NA	13,202
September 1992 .....	W	W	45,908	8,412	W	13,497

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: PAD District and U.S. totals equal the sum of the volumes for all States. In certain PAD Districts, however, volumes are not shown for every State.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 45. Refiner Volumes of Kerosene and Distillates  
by PAD District and State  
(Thousand Gallons)**

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>U.S. Total</b>						
September 1993 .....	4,508	55,798	8,319	41,420	702,062	3,038,670
August 1993 .....	3,180	32,561	7,674	31,628	729,370	3,074,890
September 1992 .....	5,510	53,829	9,347	56,735	753,337	3,163,228
<b>PAD District I Total</b>						
September 1993 .....	3,209	26,382	459	2,117	211,695	825,270
August 1993 .....	2,207	14,812	635	4,030	220,003	772,831
September 1992 .....	4,907	32,303	1,340	4,926	222,424	977,653
<b>Subdistrict IA Total</b>						
September 1993 .....	199	3,218	W	370	12,088	87,742
August 1993 .....	W	1,135	76	W	13,934	66,525
September 1992 .....	137	1,603	W	1,218	12,208	85,758
<b>Connecticut</b>						
September 1993 .....	W	W	W	W	3,279	29,887
August 1993 .....	W	350	W	W	3,525	31,049
September 1992 .....	W	W	W	W	2,988	30,968
<b>Maine</b>						
September 1993 .....	W	1,061	W	331	797	10,523
August 1993 .....	-	257	-	W	W	5,892
September 1992 .....	-	626	W	627	702	11,071
<b>Massachusetts</b>						
September 1993 .....	W	W	W	W	6,481	31,601
August 1993 .....	W	W	W	W	7,456	18,051
September 1992 .....	W	NA	W	W	6,406	28,595
<b>New Hampshire</b>						
September 1993 .....	W	W	W	W	701	W
August 1993 .....	W	W	W	-	672	W
September 1992 .....	-	W	W	W	616	3,360
<b>Rhode Island</b>						
September 1993 .....	-	W	-	W	508	10,402
August 1993 .....	-	W	-	-	1,096	7,220
September 1992 .....	-	W	W	W	1,061	9,378
<b>Vermont</b>						
September 1993 .....	-	W	-	W	322	W
August 1993 .....	-	W	-	W	W	W
September 1992 .....	-	W	-	W	435	2,386
<b>Subdistrict IB Total</b>						
September 1993 .....	2,561	11,916	W	483	76,514	428,870
August 1993 .....	W	7,118	161	1,047	73,255	390,523
September 1992 .....	4,619	13,766	W	2,478	71,519	594,528
<b>Delaware</b>						
September 1993 .....	-	W	-	-	W	W
August 1993 .....	-	W	-	W	1,079	14,344
September 1992 .....	-	W	-	W	W	W
<b>District of Columbia</b>						
September 1993 .....	-	-	-	-	W	W
August 1993 .....	-	W	-	-	NA	1,983
September 1992 .....	-	-	-	-	W	W
<b>Maryland</b>						
September 1993 .....	W	W	5	-	9,954	22,032
August 1993 .....	11	658	W	-	9,636	23,922
September 1992 .....	W	W	W	21	8,744	21,986
<b>New Jersey</b>						
September 1993 .....	W	3,125	W	W	16,549	171,893
August 1993 .....	W	2,482	W	W	16,594	139,541
September 1992 .....	W	2,659	W	432	13,130	339,388
<b>New York</b>						
September 1993 .....	1,337	2,665	W	W	19,711	78,227
August 1993 .....	W	1,186	W	W	17,316	88,914
September 1992 .....	1,372	2,421	W	883	18,648	82,473
<b>Pennsylvania</b>						
September 1993 .....	196	4,407	W	257	27,816	140,479
August 1993 .....	106	2,671	59	612	28,575	121,819
September 1992 .....	198	7,033	W	1,075	28,107	136,027
<b>Subdistrict IC Total</b>						
September 1993 .....	449	11,228	206	1,264	123,093	308,658
August 1993 .....	249	6,559	398	W	132,814	315,783
September 1992 .....	151	16,934	536	1,230	138,697	297,367

See footnotes at end of table.

**Table 45. Refiner Volumes of Kerosene and Distillates  
by PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Florida</b>						
September 1993 .....	W	316	W	W	37,681	72,928
August 1993 .....	15	491	W	W	48,935	75,544
September 1992 .....	9	546	W	W	42,122	74,115
<b>Georgia</b>						
September 1993 .....	W	819	-	W	25,811	61,446
August 1993 .....	24	305	-	W	24,745	67,760
September 1992 .....	35	1,220	W	W	29,709	52,917
<b>North Carolina</b>						
September 1993 .....	11	5,077	W	385	20,169	64,644
August 1993 .....	W	2,813	W	W	19,151	64,952
September 1992 .....	14	6,928	15	573	21,638	63,763
<b>South Carolina</b>						
September 1993 .....	20	2,186	-	W	11,040	28,382
August 1993 .....	10	1,216	W	-	11,478	28,700
September 1992 .....	17	3,490	-	W	12,551	24,384
<b>Virginia</b>						
September 1993 .....	210	2,444	W	598	15,565	66,988
August 1993 .....	188	1,545	70	380	16,200	61,674
September 1992 .....	55	4,222	177	451	19,812	65,916
<b>West Virginia</b>						
September 1993 .....	19	386	W	W	13,027	14,270
August 1993 .....	W	189	W	42	12,305	16,153
September 1992 .....	21	530	W	73	12,864	16,272
<b>PAD District II Total</b>						
September 1993 .....	1,146	11,874	4,459	25,492	250,900	906,192
August 1993 .....	830	5,534	4,535	16,998	261,794	898,928
September 1992 .....	467	9,649	4,297	32,770	259,559	878,404
<b>Illinois</b>						
September 1993 .....	111	656	W	1,101	20,431	93,646
August 1993 .....	122	W	W	1,113	21,564	99,502
September 1992 .....	160	W	W	929	23,511	130,134
<b>Indiana</b>						
September 1993 .....	W	1,282	49	892	32,821	82,004
August 1993 .....	17	331	W	1,172	35,278	89,581
September 1992 .....	22	787	30	1,251	35,051	82,190
<b>Iowa</b>						
September 1993 .....	-	139	W	1,482	10,104	45,913
August 1993 .....	-	105	W	342	8,584	47,704
September 1992 .....	-	177	W	1,581	9,448	51,669
<b>Kansas</b>						
September 1993 .....	-	W	-	1,697	11,446	71,451
August 1993 .....	-	W	W	386	10,383	72,214
September 1992 .....	-	45	-	2,946	13,270	63,196
<b>Kentucky</b>						
September 1993 .....	122	992	W	273	23,174	43,105
August 1993 .....	20	422	W	304	24,767	47,255
September 1992 .....	W	1,030	W	551	23,397	44,123
<b>Michigan</b>						
September 1993 .....	47	2,346	W	4,266	16,592	68,535
August 1993 .....	7	596	W	4,741	18,430	64,693
September 1992 .....	24	1,594	W	4,250	15,866	62,958
<b>Minnesota</b>						
September 1993 .....	W	881	W	2,761	10,338	63,710
August 1993 .....	W	199	W	1,328	10,427	51,926
September 1992 .....	W	254	W	2,781	9,461	64,732
<b>Missouri</b>						
September 1993 .....	-	358	W	698	9,964	48,401
August 1993 .....	-	W	W	611	13,705	48,455
September 1992 .....	-	45	W	717	11,013	48,657
<b>Nebraska</b>						
September 1993 .....	-	203	-	1,682	5,571	28,142
August 1993 .....	-	W	-	296	10,341	32,808
September 1992 .....	-	31	-	1,650	W	32,683
<b>North Dakota</b>						
September 1993 .....	-	74	W	1,369	W	22,785
August 1993 .....	-	W	W	325	W	20,634
September 1992 .....	W	W	W	1,469	W	23,827

See footnotes at end of table.

**Table 45. Refiner Volumes of Kerosene and Distillates  
by PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Ohio</b>						
September 1993 .....	616	3,022	47	507	55,043	80,668
August 1993 .....	625	2,454	22	491	55,488	83,612
September 1992 .....	191	3,155	88	1,162	58,383	67,731
<b>Oklahoma</b>						
September 1993 .....	W	W	172	3,167	16,202	101,591
August 1993 .....	-	W	W	2,556	12,843	86,891
September 1992 .....	W	W	W	W	12,965	58,810
<b>South Dakota</b>						
September 1993 .....	-	124	W	1,721	W	19,795
August 1993 .....	-	33	-	515	W	22,716
September 1992 .....	-	W	W	1,774	W	20,867
<b>Tennessee</b>						
September 1993 .....	195	1,504	W	579	26,122	67,711
August 1993 .....	28	645	W	317	26,050	67,661
September 1992 .....	W	2,009	W	W	27,093	65,069
<b>Wisconsin</b>						
September 1993 .....	W	143	26	3,317	7,974	68,735
August 1993 .....	W	47	W	1,503	8,412	63,276
September 1992 .....	W	38	94	3,680	7,215	61,758
<b>PAD District III Total</b>						
September 1993 .....	W	NA	849	2,463	113,285	737,442
August 1993 .....	143	W	W	3,758	120,574	818,277
September 1992 .....	W	11,192	W	1,827	127,000	759,908
<b>Alabama</b>						
September 1993 .....	W	388	-	W	11,019	47,390
August 1993 .....	W	150	W	W	13,664	47,044
September 1992 .....	W	333	W	W	15,136	39,510
<b>Arkansas</b>						
September 1993 .....	-	86	-	W	9,976	45,414
August 1993 .....	-	204	-	W	10,563	42,430
September 1992 .....	-	113	-	W	11,517	42,884
<b>Louisiana</b>						
September 1993 .....	W	NA	-	W	14,448	131,165
August 1993 .....	W	W	-	W	13,339	175,943
September 1992 .....	W	W	-	W	18,613	110,227
<b>Mississippi</b>						
September 1993 .....	W	W	-	W	5,794	73,539
August 1993 .....	W	W	-	W	7,944	101,716
September 1992 .....	-	W	W	-	10,365	85,201
<b>New Mexico</b>						
September 1993 .....	-	51	W	48	5,632	18,453
August 1993 .....	-	48	-	33	6,291	20,348
September 1992 .....	W	63	-	110	7,145	22,410
<b>Texas</b>						
September 1993 .....	W	2,588	W	475	66,416	421,481
August 1993 .....	W	298	W	1,695	68,753	430,796
September 1992 .....	W	1,622	W	1,031	64,224	459,676
<b>PAD District IV Total</b>						
September 1993 .....	W	112	623	4,324	30,636	118,503
August 1993 .....	-	W	W	2,181	31,910	128,229
September 1992 .....	-	W	W	5,371	29,829	117,259
<b>Colorado</b>						
September 1993 .....	-	W	W	1,344	8,163	30,593
August 1993 .....	-	W	W	560	7,245	32,810
September 1992 .....	-	W	W	1,892	8,856	32,835
<b>Idaho</b>						
September 1993 .....	-	W	W	458	W	19,685
August 1993 .....	-	W	-	832	W	20,805
September 1992 .....	-	-	W	800	W	21,402
<b>Montana</b>						
September 1993 .....	-	-	W	1,226	W	20,953
August 1993 .....	-	-	-	605	W	22,413
September 1992 .....	-	-	W	1,193	W	20,027

See footnotes at end of table.

**Table 45. Refiner Volumes of Kerosene and Distillates  
by PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Kerosene		No. 1 Distillate		No. 2 Distillate	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Utah</b>						
September 1993 .....	-	W	W	541	8,563	25,428
August 1993 .....	-	W	W	217	7,439	28,363
September 1992 .....	-	W	W	1,078	7,806	22,842
<b>Wyoming</b>						
September 1993 .....	W	W	124	755	9,023	21,844
August 1993 .....	-	-	W	167	10,163	20,838
September 1992 .....	-	-	50	608	7,101	20,153
<b>PAD District V Total</b>						
September 1993 .....	-	777	1,929	7,024	95,546	451,284
August 1993 .....	-	597	1,205	5,861	95,090	458,625
September 1992 .....	W	W	2,535	11,741	114,526	430,004
<b>Alaska</b>						
September 1993 .....	-	-	1,002	4,524	3,207	19,814
August 1993 .....	-	-	283	4,090	3,720	27,551
September 1992 .....	-	-	1,861	8,777	5,739	14,126
<b>Arizona</b>						
September 1993 .....	-	W	-	100	10,046	24,511
August 1993 .....	-	-	-	48	10,077	27,867
September 1992 .....	W	W	W	W	10,445	21,113
<b>California</b>						
September 1993 .....	-	452	W	678	43,052	226,220
August 1993 .....	-	W	W	392	50,358	220,232
September 1992 .....	-	W	354	584	57,171	234,043
<b>Hawaii</b>						
September 1993 .....	-	-	W	12	9,086	5,185
August 1993 .....	-	-	W	W	9,222	5,278
September 1992 .....	-	-	W	W	11,481	5,789
<b>Nevada</b>						
September 1993 .....	-	-	W	154	3,226	20,273
August 1993 .....	-	-	W	W	2,914	20,515
September 1992 .....	-	-	W	178	2,696	20,306
<b>Oregon</b>						
September 1993 .....	-	W	W	509	10,996	52,624
August 1993 .....	-	-	W	293	12,192	60,007
September 1992 .....	-	W	W	661	13,931	51,829
<b>Washington</b>						
September 1993 .....	-	W	42	1,047	15,953	102,627
August 1993 .....	-	W	W	742	8,607	97,375
September 1992 .....	-	W	W	1,203	13,083	82,818

Dashes (-) = No data reported.

NA = Not available.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Note: PAD District and U.S. totals equal the sum of the volumes for all States. In certain PAD Districts, however, volumes are not shown for every State.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."

**Table 46. Refiner No. 4 and Residual Fuel Oil Volumes by PAD District**  
(Thousand Gallons)

Geographic Area Month	No. 4 Fuel		Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Total Residual	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>B. Total</b>								
September 1993 .....	15,591	3,966	157,317	133,950	335,305	241,418	492,622	375,368
August 1993 .....	11,488	3,365	189,461	138,191	307,981	199,878	497,442	338,069
September 1992 .....	11,812	5,698	197,065	161,135	404,210	268,412	601,263	429,547
<b>D District I Total</b>								
September 1993 .....	8,995	2,861	129,736	83,982	154,076	12,977	283,812	96,959
August 1993 .....	7,926	2,418	158,288	82,534	131,966	23,947	290,254	86,481
September 1992 .....	7,053	3,561	161,595	69,044	149,607	36,615	311,282	105,659
<b>Subdistrict IA Total</b>								
September 1993 .....	W	W	W	W	W	W	40,625	W
August 1993 .....	W	W	W	W	W	W	59,294	W
September 1992 .....	W	W	W	W	W	W	59,209	24,633
<b>Subdistrict IB Total</b>								
September 1993 .....	7,580	2,002	82,638	37,549	46,325	6,544	128,963	44,093
August 1993 .....	W	1,827	84,522	54,278	31,876	14,276	116,398	68,554
September 1992 .....	5,677	2,705	W	43,331	W	19,661	120,506	62,992
<b>Subdistrict IC Total</b>								
September 1993 .....	W	W	W	W	W	W	114,224	W
August 1993 .....	673	W	W	W	W	9,671	114,562	W
September 1992 .....	W	W	40,185	W	91,382	W	131,567	18,034
<b>D District II Total</b>								
September 1993 .....	W	W	527	W	6,093	W	6,620	22,967
August 1993 .....	W	W	W	W	W	W	4,964	19,918
September 1992 .....	W	W	1,335	3,613	W	13,958	W	17,571
<b>D District III Total</b>								
September 1993 .....	W	-	W	39,179	W	177,731	67,923	216,910
August 1993 .....	W	-	-	51,721	70,221	119,075	70,221	170,796
September 1992 .....	W	W	-	78,080	147,844	133,802	147,844	211,882
<b>D District IV Total</b>								
September 1993 .....	-	-	-	W	W	W	W	4,065
August 1993 .....	-	-	-	W	W	W	W	3,648
September 1992 .....	-	-	-	2,717	W	2,537	W	5,254
<b>D District V Total</b>								
September 1993 .....	W	W	W	W	106,739	W	W	34,467
August 1993 .....	W	W	W	20,511	100,861	36,715	W	57,226
September 1992 .....	W	W	34,135	7,681	103,753	81,500	137,888	89,181

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the

Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report."



**Prime Supplier  
Sales Volumes  
of Petroleum  
Products  
for Local  
Consumption**



**Table 47. Prime Supplier Sales Volumes of Motor Gasoline by Grade,  
PAD District and State**  
(Thousand Gallons)

Geographic Area Month	Leaded Regular	Unleaded Regular	Unleaded Midgrade	Premium	Total
<b>U.S. Total</b>					
September 1993 .....	113,958	6,512,297	1,178,446	1,982,625	9,787,326
August 1993 .....	123,257	6,897,879	1,246,226	2,098,498	10,365,860
September 1992 .....	146,041	6,712,211	1,136,136	1,835,795	9,830,183
<b>PAD District I Total</b>					
September 1993 .....	182	2,023,811	504,617	877,564	3,406,174
August 1993 .....	198	2,141,083	543,466	933,411	3,618,136
September 1992 .....	210	2,010,974	506,736	823,528	3,341,448
<b>Subdistrict IA Total</b>					
September 1993 .....	W	298,195	W	115,222	482,670
August 1993 .....	-	315,086	74,853	125,138	515,077
September 1992 .....	-	287,344	64,292	110,359	461,995
<b>Connecticut</b>					
September 1993 .....	-	63,511	18,990	30,327	112,828
August 1993 .....	-	63,967	19,584	30,340	113,891
September 1992 .....	-	65,986	16,333	30,778	113,097
<b>Maine</b>					
September 1993 .....	-	44,146	8,461	11,528	64,135
August 1993 .....	-	51,064	9,512	14,673	75,249
September 1992 .....	-	44,830	8,106	10,627	63,563
<b>Massachusetts</b>					
September 1993 .....	W	126,183	W	50,341	205,010
August 1993 .....	-	128,637	30,744	53,974	213,355
September 1992 .....	-	110,750	25,888	46,730	183,368
<b>New Hampshire</b>					
September 1993 .....	-	23,180	4,849	7,159	35,188
August 1993 .....	-	27,090	5,973	8,523	41,586
September 1992 .....	-	24,301	5,036	6,835	36,172
<b>Rhode Island</b>					
September 1993 .....	-	28,076	5,911	11,819	45,806
August 1993 .....	-	29,481	6,067	12,755	48,303
September 1992 .....	-	28,867	6,572	11,778	47,217
<b>Vermont</b>					
September 1993 .....	-	13,099	2,556	4,048	19,703
August 1993 .....	-	14,847	2,973	4,873	22,693
September 1992 .....	-	12,610	2,357	3,611	18,578
<b>Subdistrict IB Total</b>					
September 1993 .....	128	789,502	185,106	386,724	1,361,460
August 1993 .....	142	840,615	200,655	415,150	1,458,562
September 1992 .....	105	797,358	188,553	376,587	1,362,601
<b>Delaware</b>					
September 1993 .....	-	19,123	6,785	6,150	32,058
August 1993 .....	-	21,613	8,162	7,558	37,531
September 1992 .....	-	19,939	7,316	6,288	33,553
<b>District of Columbia</b>					
September 1993 .....	-	4,271	2,631	6,399	13,301
August 1993 .....	-	4,620	2,740	6,371	13,731
September 1992 .....	-	5,099	2,787	6,264	14,150
<b>Maryland</b>					
September 1993 .....	-	83,227	31,174	44,873	159,274
August 1993 .....	-	89,897	34,071	48,331	172,299
September 1992 .....	-	84,740	32,806	41,534	159,080
<b>New Jersey</b>					
September 1993 .....	-	164,309	38,762	105,148	308,217
August 1993 .....	-	171,354	41,710	110,545	323,609
September 1992 .....	-	188,512	38,852	112,864	340,248
<b>New York</b>					
September 1993 .....	W	257,518	W	129,805	435,885
August 1993 .....	113	276,737	52,807	142,628	472,283
September 1992 .....	W	241,067	W	119,836	408,212
<b>Pennsylvania</b>					
September 1993 .....	W	261,053	W	94,351	412,745
August 1993 .....	29	276,194	61,185	99,721	437,109
September 1992 .....	W	257,999	W	89,771	407,358

See footnotes at end of table.

**Table 47. Prime Supplier Sales Volumes of Motor Gasoline by Grade,  
PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Leaded Regular	Unleaded Regular	Unleaded Midgrade	Premium	Total
<b>Subdistrict IC Total</b>					
September 1993 .....	W	936,114	W	375,618	1,562,044
August 1993 .....	56	985,362	267,958	393,123	1,646,499
September 1992 .....	105	926,274	253,891	336,582	1,516,852
<b>Florida</b>					
September 1993 .....	-	271,138	86,118	139,055	496,311
August 1993 .....	-	283,966	90,720	144,723	519,409
September 1992 .....	-	272,058	86,614	128,638	487,310
<b>Georgia</b>					
September 1993 .....	W	189,744	W	69,021	305,826
August 1993 .....	W	196,465	W	71,203	316,313
September 1992 .....	W	178,951	W	59,751	285,086
<b>North Carolina</b>					
September 1993 .....	-	185,753	42,265	59,808	287,626
August 1993 .....	-	195,812	45,422	63,432	304,666
September 1992 .....	-	187,868	42,642	53,306	283,816
<b>South Carolina</b>					
September 1993 .....	-	104,217	22,545	30,345	157,107
August 1993 .....	-	110,106	25,499	32,068	167,673
September 1992 .....	-	100,741	23,195	25,073	149,009
<b>Virginia</b>					
September 1993 .....	-	154,816	44,323	69,505	268,644
August 1993 .....	W	165,901	W	73,184	286,531
September 1992 .....	-	154,871	46,991	61,534	263,396
<b>West Virginia</b>					
September 1993 .....	W	30,446	W	8,084	46,530
August 1993 .....	W	33,112	W	8,513	49,607
September 1992 .....	W	31,785	W	8,280	48,235
<b>PAD District II Total</b>					
September 1993 .....	4,966	2,138,336	288,913	442,814	2,875,029
August 1993 .....	5,810	2,290,014	297,903	472,774	3,066,501
September 1992 .....	9,141	2,181,470	277,210	388,080	2,855,901
<b>Illinois</b>					
September 1993 .....	W	262,573	W	66,945	375,096
August 1993 .....	W	274,012	W	71,443	393,369
September 1992 .....	W	271,681	W	66,011	384,819
<b>Indiana</b>					
September 1993 .....	W	154,041	W	35,563	218,783
August 1993 .....	W	163,723	W	37,436	230,936
September 1992 .....	W	164,424	W	29,252	222,777
<b>Iowa</b>					
September 1993 .....	W	107,108	W	8,591	117,226
August 1993 .....	W	114,371	W	9,690	125,770
September 1992 .....	W	104,936	W	8,472	116,239
<b>Kansas</b>					
September 1993 .....	W	103,031	W	12,493	119,496
August 1993 .....	-	106,572	4,539	13,380	124,491
September 1992 .....	12	99,032	4,031	11,737	114,812
<b>Kentucky</b>					
September 1993 .....	W	100,499	W	31,273	159,294
August 1993 .....	W	112,182	W	32,196	168,119
September 1992 .....	109	102,540	22,304	26,461	151,414
<b>Michigan</b>					
September 1993 .....	522	285,062	37,071	61,545	384,200
August 1993 .....	1,072	298,737	39,754	67,398	406,961
September 1992 .....	1,682	276,189	36,562	51,485	367,918
<b>Minnesota</b>					
September 1993 .....	121	145,116	11,580	15,615	172,432
.....	137	156,210	11,969	17,261	185,577
.....	175	141,082	10,454	14,580	166,291
.....	W	156,741	W	33,535	208,463
.....	W	170,948	W	35,909	225,782
.....	26	162,003	18,954	29,963	210,946

**Table 47. Prime Supplier Sales Volumes of Motor Gasoline by Grade,  
PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Leaded Regular	Unleaded Regular	Unleaded Midgrade	Premium	Total
<b>Nebraska</b>					
September 1993 .....	138	60,484			60,622
August 1993 .....	184	64,265	249	3,992	68,690
September 1992 .....	358	55,235	284	4,494	60,371
<b>North Dakota</b>			1,953	3,210	5,163
September 1993 .....	W	30,314			30,314
August 1993 .....	W	32,891	W	1,712	34,603
September 1992 .....	W	28,983	W	1,940	30,923
<b>Ohio</b>			W	1,418	1,418
September 1993 .....	W	279,165	W		279,165
August 1993 .....	W	295,457	W	63,739	359,196
September 1992 .....	W	287,765	W	66,279	354,044
<b>Oklahoma</b>			W	54,257	54,257
September 1993 .....	W	120,393			120,393
August 1993 .....	W	141,016	W	23,379	164,395
September 1992 .....	1,341	160,521	W	24,937	162,809
<b>South Dakota</b>			6,288	20,288	26,576
September 1993 .....	W	31,284			31,284
August 1993 .....	W	36,412	W	2,395	38,807
September 1992 .....	W	29,810	W	3,406	33,216
<b>Tennessee</b>			W	2,023	2,023
September 1993 .....	-	154,311			154,311
August 1993 .....	-	183,752	38,472	56,965	278,989
September 1992 .....	-	150,994	39,889	58,787	249,670
<b>Wisconsin</b>			37,041	47,008	84,049
September 1993 .....	W	148,234	W	25,072	173,306
August 1993 .....	W	159,466	W	28,238	187,704
September 1992 .....	W	146,275	W	21,917	168,192
<b>PAD District III Total</b>					
September 1993 .....	9,233	985,967	188,649	271,806	1,455,655
August 1993 .....	8,645	1,007,658	199,039	278,154	1,493,496
September 1992 .....	13,625	1,131,265	186,412	245,062	1,576,364
<b>Alabama</b>					
September 1993 .....	-	106,831	23,180	38,095	168,106
August 1993 .....	-	110,153	23,748	36,347	170,248
September 1992 .....	-	110,055	23,168	30,223	163,446
<b>Arkansas</b>					
September 1993 .....	W	96,629	W	23,319	119,948
August 1993 .....	W	94,265	W	22,705	116,970
September 1992 .....	W	81,403	W	17,488	98,891
<b>Louisiana</b>					
September 1993 .....	-	95,363	24,843	39,686	159,892
August 1993 .....	-	102,837	25,821	40,339	168,997
September 1992 .....	-	119,210	26,939	36,591	182,740
<b>Mississippi</b>					
September 1993 .....	-	71,507	14,521	21,031	107,059
August 1993 .....	-	73,562	15,432	22,308	111,302
September 1992 .....	-	103,447	14,594	17,745	135,786
<b>New Mexico</b>					
September 1993 .....	6,848	50,728	2,283	6,791	66,650
August 1993 .....	7,079	54,431	2,581	7,335	69,426
September 1992 .....	9,091	47,815	1,183	6,141	64,230
<b>Texas</b>					
September 1993 .....	W	584,909	W	144,884	729,793
August 1993 .....	W	572,410	W	149,120	721,530
September 1992 .....	W	669,335	W	136,874	806,209
<b>PAD District IV Total</b>					
September 1993 .....	26,613	223,257	23,256	51,537	324,663
August 1993 .....	29,045	247,872	25,024	59,259	361,200
September 1992 .....	37,227	220,993	17,818	45,827	321,865
<b>Colorado</b>					
September 1993 .....	2,402	98,487	17,501	21,337	139,727
August 1993 .....	2,574	106,776	19,248	23,930	152,528
September 1992 .....	7,866	99,989	14,222	21,050	143,127

See footnotes at end of table.

**Table 47. Prime Supplier Sales Volumes of Motor Gasoline by Grade,  
PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Leaded Regular	Unleaded Regular	Unleaded Midgrade	Premium	Total
<b>Idaho</b>					
September 1993 .....	W	31,363	W	5,415	46,679
August 1993 .....	W	33,078	W	6,328	49,394
September 1992 .....	10,860	29,641	-	4,193	44,694
<b>Montana</b>					
September 1993 .....	7,309	28,636	-	5,944	41,889
August 1993 .....	8,047	32,817	-	7,276	48,140
September 1992 .....	7,763	28,522	-	4,967	39,252
<b>Utah</b>					
September 1993 .....	4,790	46,018	5,051	14,808	70,667
August 1993 .....	5,782	53,176	5,201	16,717	80,876
September 1992 .....	7,297	46,583	W	W	69,772
<b>Wyoming</b>					
September 1993 .....	W	18,753	W	4,033	25,701
August 1993 .....	W	22,025	W	5,008	30,264
September 1992 .....	3,441	18,248	W	W	25,010
<b>PAD District V Total</b>					
September 1993 .....	72,864	1,140,927	173,011	338,904	1,725,806
August 1993 .....	78,559	1,211,272	180,794	354,900	1,825,525
September 1992 .....	85,838	1,167,509	147,880	333,298	1,734,605
<b>Alaska</b>					
September 1993 .....	928	17,531	-	2,197	20,656
August 1993 .....	1,027	20,132	-	2,391	23,550
September 1992 .....	1,419	17,167	-	2,710	21,296
<b>Arizona</b>					
September 1993 .....	15,406	91,411	1,370	21,323	129,510
August 1993 .....	15,840	93,327	705	21,858	131,730
September 1992 .....	19,490	92,646	626	20,062	132,824
<b>California</b>					
September 1993 .....	-	748,824	161,899	242,882	1,153,605
August 1993 .....	-	788,750	189,434	253,691	1,211,875
September 1992 .....	W	784,007	139,283	W	1,169,859
<b>Hawaii</b>					
September 1993 .....	-	16,588	3,528	9,658	29,774
August 1993 .....	-	17,183	3,681	9,964	30,828
September 1992 .....	-	17,351	3,205	9,671	30,227
<b>Nevada</b>					
September 1993 .....	141	41,876	6,040	9,713	57,770
August 1993 .....	183	47,646	8,786	11,003	65,618
September 1992 .....	618	44,428	4,759	9,867	59,672
<b>Oregon</b>					
September 1993 .....	20,406	80,927	W	W	117,282
August 1993 .....	22,795	90,407	W	W	129,669
September 1992 .....	W	77,083	W	13,880	115,087
<b>Washington</b>					
September 1993 .....	36,083	143,770	W	W	217,209
August 1993 .....	39,714	153,827	W	W	233,255
September 1992 .....	40,234	134,827	W	W	205,640

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782C, "Monthly Report of Petroleum Products Sold Into States for Consumption."

**Table 48. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State**  
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual
<b>U.S. Total</b>							
September 1993 .....	27,716	1,554,399	129,581	853,417	380,013	714,473	1,094,486
August 1993 .....	32,138	1,612,234	128,140	827,377	380,338	612,613	992,951
September 1992 .....	28,310	1,540,742	163,298	935,108	382,524	762,903	1,145,427
<b>PAD District I Total</b>							
September 1993 .....	6,027	401,430	W	167,917	295,144	359,611	654,755
August 1993 .....	7,101	413,179	W	139,671	293,283	299,926	593,209
September 1992 .....	6,485	382,487	W	172,434	250,488	264,262	514,750
<b>Subdistrict IA Total</b>							
September 1993 .....	845	34,371	W	10,628	62,871	72,080	134,951
August 1993 .....	1,221	38,940	W	7,790	56,110	58,250	114,360
September 1992 .....	1,005	34,375	W	12,644	59,150	61,792	120,942
<b>Connecticut</b>							
September 1993 .....	128	6,949	-	1,980	9,052	-	9,052
August 1993 .....	139	7,130	W	1,880	19,779	-	19,779
September 1992 .....	100	6,539	W	2,742	W	W	10,909
<b>Maine</b>							
September 1993 .....	W	W	-	1,408	11,574	23,098	34,672
August 1993 .....	W	W	-	1,229	3,673	16,012	19,585
September 1992 .....	W	W	-	1,305	6,421	26,865	33,386
<b>Massachusetts</b>							
September 1993 .....	W	22,221	-	2,688	37,668	30,877	68,445
August 1993 .....	276	24,997	-	2,257	28,281	31,032	59,313
September 1992 .....	W	21,163	W	3,559	38,136	30,059	68,195
<b>New Hampshire</b>							
September 1993 .....	56	768	-	2,545	1,355	17,729	19,084
August 1993 .....	77	661	-	1,188	W	W	11,907
September 1992 .....	83	785	-	2,856	859	3,607	4,666
<b>Rhode Island</b>							
September 1993 .....	W	957	W	644	W	W	3,083
August 1993 .....	W	1,765	-	648	W	-	W
September 1992 .....	W	1,571	-	799	W	W	2,984
<b>Vermont</b>							
September 1993 .....	59	W	-	1,363	W	W	605
August 1993 .....	74	W	-	788	W	W	W
September 1992 .....	78	W	-	1,383	W	W	802
<b>Subdistrict IB Total</b>							
September 1993 .....	1,412	203,387	W	48,390	136,801	99,730	236,531
August 1993 .....	1,708	211,513	W	39,720	171,035	86,099	257,134
September 1992 .....	1,458	209,498	W	51,241	138,037	73,970	212,007
<b>Delaware</b>							
September 1993 .....	37	W	-	W	21,803	W	W
August 1993 .....	W	W	W	W	W	1,870	W
September 1992 .....	W	256	W	W	W	4,334	W
<b>District of Columbia</b>							
September 1993 .....	-	W	-	-	W	-	W
August 1993 .....	W	W	-	-	W	-	W
September 1992 .....	W	-	-	-	W	-	W
<b>Maryland</b>							
September 1993 .....	119	7,424	-	W	W	W	30,410
August 1993 .....	174	5,669	W	W	19,983	20,275	40,258
September 1992 .....	224	7,463	-	W	19,049	9,123	28,172
<b>New Jersey</b>							
September 1993 .....	639	146,904	W	6,620	20,579	9,601	30,180
August 1993 .....	730	154,454	W	4,947	37,077	11,007	48,084
September 1992 .....	397	155,420	W	9,903	30,768	20,178	50,946
<b>New York</b>							
September 1993 .....	334	12,499	-	11,085	55,694	51,883	107,577
August 1993 .....	296	13,942	-	8,936	51,845	41,000	92,845
September 1992 .....	334	11,167	W	12,211	76,909	22,697	99,606
<b>Pennsylvania</b>							
September 1993 .....	283	35,820	-	20,786	28,009	16,005	44,014
August 1993 .....	470	35,786	-	18,986	42,218	11,947	54,165
September 1992 .....	441	35,192	W	21,037	5,572	17,638	23,210

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual
<b>Subdistrict IC Total</b>							
September 1993 .....	3,770	163,662	-	108,899	95,372	187,801	283,173
August 1993 .....	4,172	162,726	-	92,161	66,138	155,577	221,715
September 1992 .....	4,022	138,614	-	108,549	53,301	128,500	181,801
<b>Florida</b>							
September 1993 .....	1,925	72,656	-	21,815	74,564	108,864	183,428
August 1993 .....	1,882	77,231	-	14,531	53,107	108,349	162,458
September 1992 .....	2,228	56,580	-	20,108	50,896	77,319	128,215
<b>Georgia</b>							
September 1993 .....	635	44,114	-	22,985	-	11,789	11,789
August 1993 .....	668	41,114	-	19,736	W	W	9,291
September 1992 .....	641	34,110	-	21,524	W	10,137	W
<b>North Carolina</b>							
September 1993 .....	465	8,028	-	38,802	W	W	18,647
August 1993 .....	676	6,681	-	34,321	W	W	16,854
September 1992 .....	502	9,520	-	41,567	W	W	16,830
<b>South Carolina</b>							
September 1993 .....	285	2,609	-	14,712	W	W	W
August 1993 .....	463	2,166	-	14,474	W	W	W
September 1992 .....	340	2,485	-	14,619	W	W	W
<b>Virginia</b>							
September 1993 .....	379	35,642	-	9,312	W	W	57,361
August 1993 .....	364	34,945	-	8,115	11,968	14,177	26,145
September 1992 .....	175	35,273	-	9,292	420	19,340	19,760
<b>West Virginia</b>							
September 1993 .....	81	613	-	1,273	-	W	W
August 1993 .....	119	589	-	984	W	W	W
September 1992 .....	136	646	-	1,439	W	W	2,158
<b>PAD District II Total</b>							
September 1993 .....	6,890	252,690	29,844	334,697	1,798	29,444	31,242
August 1993 .....	8,250	284,977	29,740	274,402	3,744	21,376	25,120
September 1992 .....	7,231	280,977	32,727	329,229	4,580	24,714	29,294
<b>Illinois</b>							
September 1993 .....	W	27,378	-	41,467	W	W	W
August 1993 .....	W	31,847	-	29,356	W	W	W
September 1992 .....	W	25,367	-	41,394	W	W	6,804
<b>Indiana</b>							
September 1993 .....	898	38,454	W	20,247	W	W	8,115
August 1993 .....	977	49,932	W	19,142	W	W	5,033
September 1992 .....	879	50,322	W	23,291	W	W	1,679
<b>Iowa</b>							
September 1993 .....	335	2,154	W	21,614	-	-	-
August 1993 .....	431	2,066	W	16,545	W	W	W
September 1992 .....	334	2,124	W	15,950	-	W	W
<b>Kansas</b>							
September 1993 .....	391	7,058	W	78,350	W	-	W
August 1993 .....	611	8,609	W	71,492	W	-	W
September 1992 .....	401	9,501	W	67,518	W	-	W
<b>Kentucky</b>							
September 1993 .....	147	17,246	-	14,038	W	W	W
August 1993 .....	179	15,655	-	15,204	W	W	W
September 1992 .....	171	19,651	-	15,496	W	W	470
<b>Michigan</b>							
September 1993 .....	1,008	26,900	-	19,585	W	W	1,050
August 1993 .....	995	27,464	-	14,425	-	W	W
September 1992 .....	679	27,253	W	16,416	101	1,486	1,587
<b>Minnesota</b>							
September 1993 .....	527	25,662	W	22,507	-	8,240	8,240
August 1993 .....	731	30,252	W	18,780	W	W	4,779
September 1992 .....	483	24,389	W	25,813	W	W	4,935
<b>Missouri</b>							
September 1993 .....	369	29,439	W	30,391	W	W	W
August 1993 .....	490	30,013	W	21,975	W	W	W
September 1992 .....	468	27,153	W	33,749	W	W	601

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual
<b>Nebraska</b>							
September 1993 .....	177	2,138	-	8,180	-	W	W
August 1993 .....	418	2,346	-	7,329	-	W	W
September 1992 .....	225	2,061	-	7,191	-	W	W
<b>North Dakota</b>							
September 1993 .....	77	774	W	9,021	-	W	W
August 1993 .....	88	828	W	8,868	-	W	W
September 1992 .....	W	788	W	11,675	-	-	-
<b>Ohio</b>							
September 1993 .....	799	27,491	W	17,623	W	W	3,425
August 1993 .....	900	37,456	W	12,040	W	W	3,066
September 1992 .....	1,148	36,381	1,136	16,610	2,506	3,400	5,906
<b>Oklahoma</b>							
September 1993 .....	371	21,565	W	18,954	-	-	-
August 1993 .....	428	21,355	7,350	15,153	-	-	-
September 1992 .....	395	36,258	13,903	22,451	W	W	3,567
<b>South Dakota</b>							
September 1993 .....	W	650	W	5,623	-	W	W
August 1993 .....	W	804	W	3,954	-	W	W
September 1992 .....	226	743	W	4,785	-	W	W
<b>Tennessee</b>							
September 1993 .....	595	20,375	W	8,596	W	W	948
August 1993 .....	431	20,302	W	6,703	W	W	1,151
September 1992 .....	623	13,768	W	10,624	W	W	918
<b>Wisconsin</b>							
September 1993 .....	440	5,406	-	18,499	-	4,081	4,081
August 1993 .....	626	6,050	-	13,636	W	W	2,821
September 1992 .....	407	5,218	-	16,266	-	3,069	3,069
<b>PAD District III Total</b>							
September 1993 .....	5,083	374,502	73,817	347,889	45,597	178,762	224,359
August 1993 .....	5,692	371,470	64,958	323,473	36,458	146,003	182,461
September 1992 .....	4,667	375,488	81,845	335,561	81,384	271,596	352,980
<b>Alabama</b>							
September 1993 .....	558	3,638	W	15,663	W	5,815	W
August 1993 .....	515	3,963	W	10,318	-	5,534	5,534
September 1992 .....	441	4,345	W	14,055	-	W	W
<b>Arkansas</b>							
September 1993 .....	392	1,233	W	10,958	-	-	-
August 1993 .....	499	1,473	W	5,926	-	-	-
September 1992 .....	W	1,190	W	10,412	-	W	W
<b>Louisiana</b>							
September 1993 .....	W	81,073	34,449	25,686	W	W	81,870
August 1993 .....	W	78,719	24,700	23,768	W	W	85,282
September 1992 .....	339	71,173	31,589	21,838	W	W	150,750
<b>Mississippi</b>							
September 1993 .....	355	19,081	5,759	21,460	W	W	17,742
August 1993 .....	477	26,162	5,675	21,398	W	W	W
September 1992 .....	392	26,394	3,781	18,319	-	W	W
<b>New Mexico</b>							
September 1993 .....	W	7,169	W	18,640	W	-	W
August 1993 .....	W	4,648	3,791	16,184	W	-	W
September 1992 .....	W	4,396	7,294	17,233	W	W	W
<b>Texas</b>							
September 1993 .....	3,189	262,308	27,086	255,482	23,548	95,096	118,644
August 1993 .....	3,552	256,505	27,823	245,878	27,070	76,423	103,493
September 1992 .....	2,843	267,980	35,951	253,704	54,782	141,194	195,976
<b>PAD District IV Total</b>							
September 1993 .....	1,376	48,343	11,929	28,980	2,949	624	3,573
August 1993 .....	1,984	51,632	W	24,455	2,325	841	3,166
September 1992 .....	1,480	42,614	W	28,140	3,458	1,563	5,021
<b>Colorado</b>							
September 1993 .....	605	28,542	W	9,504	W	-	W
August 1993 .....	736	30,496	W	7,800	-	-	-
September 1992 .....	577	22,256	W	8,448	W	-	W

See footnotes at end of table.

**Table 48. Prime Supplier Sales Volumes of Aviation Fuels, Propane, and Residual Fuel Oil by PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Aviation Gasoline	Kerosene- Type Jet Fuel	Naphtha- Type Jet Fuel	Propane (Consumer Grade)	Residual Fuel Oil		
					Sulfur Content Less Than or Equal to 1 Percent	Sulfur Content Greater Than 1 Percent	Total Residual
<b>Idaho</b>							
September 1993 .....	W	1,656	-	2,432	-	W	W
August 1993 .....	187	1,784	-	1,661	-	-	-
September 1992 .....	W	1,497	-	2,176	-	-	-
<b>Montana</b>							
September 1993 .....	W	1,485	W	5,790	-	W	W
August 1993 .....	W	2,257	W	5,036	-	W	W
September 1992 .....	W	2,103	W	6,605	-	W	W
<b>Utah</b>							
September 1993 .....	440	16,339	7,590	3,820	W	W	612
August 1993 .....	628	16,615	5,261	3,216	W	W	565
September 1992 .....	444	16,395	5,850	3,697	W	W	W
<b>Wyoming</b>							
September 1993 .....	109	311	W	7,414	W	W	W
August 1993 .....	W	480	W	6,742	W	W	W
September 1992 .....	130	363	W	7,214	W	W	3,953
<b>PAD District V Total</b>							
September 1993 .....	8,340	477,434	W	73,954	34,525	146,032	180,557
August 1993 .....	9,111	490,976	13,443	65,376	44,528	144,467	188,995
September 1992 .....	8,437	459,176	29,613	69,745	42,614	200,768	243,382
<b>Alaska</b>							
September 1993 .....	1,651	51,961	W	W	-	W	W
August 1993 .....	2,151	55,693	W	1,909	-	W	W
September 1992 .....	W	43,434	W	W	-	W	W
<b>Arizona</b>							
September 1993 .....	461	21,707	W	4,153	W	-	W
August 1993 .....	691	20,645	W	1,702	W	-	W
September 1992 .....	568	16,763	W	4,085	W	-	W
<b>California</b>							
September 1993 .....	3,602	278,391	W	43,786	W	W	73,221
August 1993 .....	4,014	276,622	9,844	39,489	W	W	77,910
September 1992 .....	4,215	259,740	24,242	39,427	8,478	104,262	112,740
<b>Hawaii</b>							
September 1993 .....	W	27,220	-	W	W	W	36,630
August 1993 .....	W	28,744	-	W	33,191	8,792	41,983
September 1992 .....	W	33,255	-	W	W	W	W
<b>Nevada</b>							
September 1993 .....	W	17,425	-	2,163	-	W	W
August 1993 .....	W	17,496	-	W	W	W	W
September 1992 .....	369	13,888	W	1,863	W	-	W
<b>Oregon</b>							
September 1993 .....	694	12,636	-	3,868	-	W	W
August 1993 .....	723	15,162	-	3,326	-	16,514	16,514
September 1992 .....	584	13,033	-	3,696	-	9,065	9,065
<b>Washington</b>							
September 1993 .....	1,477	68,094	-	14,930	-	58,758	58,758
August 1993 .....	1,154	76,594	-	14,248	-	50,769	50,769
September 1992 .....	840	79,063	-	15,736	-	76,552	76,552

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Source: Energy Information Administration Form EIA-782C, "Monthly Report of Petroleum Products Sold Into States for Consumption."

**Table 49. Prime Supplier Sales Volumes of Distillate Fuel Oils  
by PAD District and State**  
(Thousand Gallons)

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel	Total		
<b>U.S. Total</b>							
September 1993 .....	50,758	51,495	1,272,154	2,398,936	3,671,089	25,273	3,788,615
August 1993 .....	27,905	39,706	1,284,922	2,310,188	3,595,110	19,165	3,681,895
September 1992 .....	63,581	70,388	1,566,284	2,329,778	3,896,062	23,647	4,053,678
<b>PAD District I Total</b>							
September 1993 .....	33,976	7,018	660,905	582,864	1,243,769	18,082	1,302,845
August 1993 .....	19,658	7,118	602,624	502,291	1,104,915	15,043	1,146,734
September 1992 .....	44,575	8,795	820,943	479,772	1,300,715	16,925	1,371,010
<b>Subdistrict IA Total</b>							
September 1993 .....	6,544	597	138,435	66,530	194,965	3,798	205,904
August 1993 .....	2,938	216	109,306	49,413	158,719	2,750	164,623
September 1992 .....	4,848	1,577	193,215	51,261	244,476	3,737	254,638
<b>Connecticut</b>							
September 1993 .....	706	W	28,632	10,643	39,275	W	40,812
August 1993 .....	468	W	23,345	10,934	34,279	W	35,475
September 1992 .....	718	W	41,388	18,492	59,880	W	61,640
<b>Maine</b>							
September 1993 .....	2,113	333	27,353	8,919	36,272	223	38,941
August 1993 .....	650	W	17,232	7,228	24,460	W	25,285
September 1992 .....	2,152	538	23,993	6,271	30,264	210	33,164
<b>Massachusetts</b>							
September 1993 .....	2,405	W	47,120	19,651	66,771	W	70,859
August 1993 .....	1,257	W	41,361	17,550	58,911	W	61,408
September 1992 .....	916	W	91,196	14,684	105,880	W	108,548
<b>New Hampshire</b>							
September 1993 .....	713	W	14,994	8,440	23,434	W	24,659
August 1993 .....	262	W	12,341	6,690	19,031	W	19,552
September 1992 .....	W	W	16,510	6,269	22,799	750	24,209
<b>Rhode Island</b>							
September 1993 .....	271	W	17,641	6,297	23,938	W	24,894
August 1993 .....	W	-	12,879	4,727	17,606	W	18,189
September 1992 .....	W	W	16,159	3,279	19,438	W	20,106
<b>Vermont</b>							
September 1993 .....	336	W	2,695	2,580	5,275	W	5,739
August 1993 .....	W	W	2,148	2,284	4,432	206	4,714
September 1992 .....	518	W	3,969	2,246	6,215	W	6,971
<b>Subdistrict IB Total</b>							
September 1993 .....	15,065	4,663	338,411	215,487	553,898	13,071	586,697
August 1993 .....	9,806	5,163	309,954	147,864	457,818	11,261	484,048
September 1992 .....	21,739	5,176	447,175	140,663	587,838	12,172	626,925
<b>Delaware</b>							
September 1993 .....	W	-	9,072	8,843	17,915	W	18,271
August 1993 .....	289	W	5,373	10,395	15,768	W	16,066
September 1992 .....	467	W	9,674	7,306	16,979	W	17,524
<b>District of Columbia</b>							
September 1993 .....	W	W	2,716	434	3,150	W	7,377
August 1993 .....	W	W	2,482	368	2,850	W	6,966
September 1992 .....	-	-	3,288	W	W	W	5,705
<b>Maryland</b>							
September 1993 .....	1,352	W	17,423	25,877	43,300	W	45,348
August 1993 .....	609	W	19,418	19,522	38,940	W	40,200
September 1992 .....	1,654	W	33,085	18,725	51,810	W	53,622
<b>New Jersey</b>							
September 1993 .....	2,101	W	121,607	51,133	172,740	W	177,520
August 1993 .....	2,413	1,463	98,200	29,309	127,509	1,992	133,377
September 1992 .....	6,475	1,657	183,593	20,198	203,791	2,305	214,228
<b>New York</b>							
September 1993 .....	6,256	573	91,299	52,987	144,286	7,382	158,497
August 1993 .....	3,308	649	81,479	32,019	113,498	5,550	123,005
September 1992 .....	5,304	1,082	104,207	29,051	133,258	7,726	147,350
<b>Pennsylvania</b>							
September 1993 .....	5,006	W	96,294	76,213	172,507	W	179,684
August 1993 .....	W	1,919	103,002	58,251	159,253	W	164,414
September 1992 .....	7,839	2,344	113,328	W	W	W	188,498

See footnotes at end of table.

**Table 49. Prime Supplier Sales Volumes of Distillate Fuel Oils  
by PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel	Total		
<b>District 1C Total</b>							
September 1993 .....	12,367	1,758	184,059	310,847	494,906	1,213	510,244
August 1993 .....	6,914	1,739	183,364	305,014	488,378	1,032	498,063
September 1992 .....	17,988	2,042	180,553	287,848	468,401	1,016	489,447
<b>Florida</b>							
September 1993 .....	516	312	28,473	95,664	124,137	419	125,384
August 1993 .....	295	484	33,947	98,334	132,281	419	133,479
September 1992 .....	580	503	26,247	94,718	120,965	384	122,432
<b>Georgia</b>							
September 1993 .....	923	W	29,859	69,986	99,845	W	100,946
August 1993 .....	412	W	26,823	72,350	99,173	W	99,732
September 1992 .....	1,391	W	21,594	68,952	90,546	W	92,108
<b>North Carolina</b>							
September 1993 .....	5,223	W	47,101	52,488	99,589	W	105,443
August 1993 .....	2,969	W	46,038	48,506	94,544	W	98,203
September 1992 .....	7,092	W	46,343	44,618	90,961	W	98,734
<b>South Carolina</b>							
September 1993 .....	2,231	-	20,843	24,609	45,452	-	47,683
August 1993 .....	W	W	21,101	23,740	44,841	-	46,112
September 1992 .....	3,589	W	17,147	21,216	38,363	W	41,972
<b>Virginia</b>							
September 1993 .....	2,980	W	47,882	48,834	96,716	W	101,055
August 1993 .....	1,713	807	46,070	41,811	87,881	137	90,538
September 1992 .....	4,664	763	56,954	40,448	97,402	391	103,220
<b>West Virginia</b>							
September 1993 .....	494	W	9,901	19,266	29,167	W	29,733
August 1993 .....	W	W	9,385	20,273	29,658	W	29,999
September 1992 .....	662	W	12,268	17,896	30,164	W	30,981
<b>District II Total</b>							
September 1993 .....	14,174	28,619	438,096	717,125	1,155,222	4,993	1,203,007
August 1993 .....	6,408	19,867	495,193	676,460	1,171,653	3,724	1,201,452
September 1992 .....	11,486	38,709	485,917	663,948	1,149,665	4,728	1,204,788
<b>Illinois</b>							
September 1993 .....	668	W	55,744	61,133	116,877	W	123,264
August 1993 .....	515	W	56,892	73,019	129,911	W	135,552
September 1992 .....	634	W	77,530	79,496	157,026	W	162,339
<b>Indiana</b>							
September 1993 .....	2,478	W	48,597	68,120	116,717	W	122,030
August 1993 .....	354	W	51,251	68,496	119,747	W	122,307
September 1992 .....	1,928	W	44,908	66,985	111,893	W	119,269
<b>Iowa</b>							
September 1993 .....	177	1,861	20,903	39,708	60,611	-	62,449
August 1993 .....	120	409	25,404	35,001	60,405	-	60,934
September 1992 .....	184	1,844	25,369	39,255	64,624	-	66,652
<b>Kansas</b>							
September 1993 .....	142	713	28,652	35,706	64,358	-	65,213
August 1993 .....	W	W	35,681	34,223	69,884	-	70,275
September 1992 .....	45	2,656	28,956	37,969	66,925	-	69,626
<b>Kentucky</b>							
September 1993 .....	1,298	W	25,368	58,448	83,816	W	86,035
August 1993 .....	500	W	32,143	53,468	85,611	W	86,756
September 1992 .....	1,227	W	22,543	51,271	73,814	W	75,989
<b>Michigan</b>							
September 1993 .....	2,537	4,938	47,577	40,427	88,004	-	95,479
August 1993 .....	823	5,378	51,656	33,066	84,722	-	90,723
September 1992 .....	1,867	4,837	52,596	28,336	80,932	-	87,436
<b>Minnesota</b>							
September 1993 .....	904	W	27,852	50,387	78,239	W	83,363
August 1993 .....	224	W	27,913	38,716	66,629	W	69,301
September 1992 .....	254	W	39,965	38,624	78,589	W	83,489
<b>Missouri</b>							
September 1993 .....	W	754	18,957	52,483	71,420	W	72,572
August 1993 .....	84	846	22,071	53,754	75,825	-	76,555
September 1992 .....	82	985	17,598	49,783	67,381	-	68,428

footnotes at end of table.

**Table 49. Prime Supplier Sales Volumes of Distillate Fuel Oils  
by PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel	Total		
<b>Nebraska</b>							
September 1993 .....	203	1,730	8,422	25,416	33,838	-	35,771
August 1993 .....	W	W	12,133	32,743	44,876	-	45,349
September 1992 .....	31	1,650	12,394	28,778	41,172	-	42,853
<b>North Dakota</b>							
September 1993 .....	74	1,542	7,271	20,440	27,711	-	29,327
August 1993 .....	W	W	12,145	13,012	25,157	-	25,693
September 1992 .....	W	W	16,073	11,109	27,182	-	28,677
<b>Ohio</b>							
September 1993 .....	3,336	W	48,311	92,186	140,497	W	144,637
August 1993 .....	2,994	W	58,327	83,884	142,211	W	145,868
September 1992 .....	3,235	W	47,284	80,311	127,595	W	131,978
<b>Oklahoma</b>							
September 1993 .....	W	W	23,358	50,517	73,875	-	76,059
August 1993 .....	W	W	25,302	49,232	74,534	-	76,730
September 1992 .....	W	W	21,087	47,113	68,200	-	75,877
<b>South Dakota</b>							
September 1993 .....	124	1,758	5,070	15,358	20,428	-	22,310
August 1993 .....	33	515	9,807	13,309	22,916	-	23,464
September 1992 .....	W	W	10,917	10,582	21,499	-	23,291
<b>Tennessee</b>							
September 1993 .....	1,665	W	28,048	73,528	101,576	W	104,051
August 1993 .....	665	W	28,706	68,498	97,204	W	98,624
September 1992 .....	2,065	W	22,384	71,051	93,435	W	96,304
<b>Wisconsin</b>							
September 1993 .....	175	W	43,966	33,288	77,254	W	80,447
August 1993 .....	47	W	45,982	26,039	72,021	W	73,321
September 1992 .....	70	W	46,313	23,285	69,598	W	72,580
<b>PAD District III Total</b>							
September 1993 .....	1,723	W	122,026	492,048	614,074	W	617,700
August 1993 .....	1,180	W	115,129	513,645	628,774	W	633,234
September 1992 .....	6,822	W	193,980	559,712	753,692	W	763,069
<b>Alabama</b>							
September 1993 .....	W	W	12,767	45,704	58,471	-	59,132
August 1993 .....	174	304	11,978	47,784	59,742	-	60,220
September 1992 .....	343	344	11,388	43,853	55,241	-	55,928
<b>Arkansas</b>							
September 1993 .....	W	W	5,677	55,070	60,747	-	60,902
August 1993 .....	W	W	4,752	57,725	62,477	-	62,703
September 1992 .....	W	W	W	W	53,983	-	54,092
<b>Louisiana</b>							
September 1993 .....	W	W	18,302	91,957	110,259	-	111,123
August 1993 .....	W	W	10,860	99,000	109,860	-	110,357
September 1992 .....	W	W	17,377	109,248	126,623	-	127,396
<b>Mississippi</b>							
September 1993 .....	146	W	W	W	51,982	W	52,123
August 1993 .....	119	W	W	W	54,471	W	54,608
September 1992 .....	119	W	16,458	42,730	59,188	W	59,364
<b>New Mexico</b>							
September 1993 .....	51	122	W	W	24,750	-	24,923
August 1993 .....	48	39	W	W	27,889	-	27,776
September 1992 .....	49	126	W	W	31,487	-	31,662
<b>Texas</b>							
September 1993 .....	360	1,252	71,319	236,568	307,885	-	309,497
August 1993 .....	349	2,486	73,075	241,680	314,735	-	317,570
September 1992 .....	5,893	1,544	143,609	283,581	427,190	-	434,627
<b>PAD District IV Total</b>							
September 1993 .....	108	W	28,008	124,487	152,495	W	157,867
August 1993 .....	82	2,772	35,613	127,807	163,420	-	166,254
September 1992 .....	W	W	32,417	116,834	149,251	-	155,468
<b>Colorado</b>							
September 1993 .....	W	W	11,415	28,247	39,662	-	41,600
August 1993 .....	W	W	18,845	27,237	44,082	-	45,235
September 1992 .....	W	W	14,803	29,116	43,919	-	46,410

See footnotes at end of table.

**Table 49. Prime Supplier Sales Volumes of Distillate Fuel Oils  
by PAD District and State (Continued)**  
(Thousand Gallons)

Geographic Area Month	Kerosene	No. 1 Distillate	No. 2 Distillate			No. 4 Fuel	Total Distillate and Kerosene
			No. 2 Fuel Oil	No. 2 Diesel	Total		
<b>Idaho</b>							
September 1993 .....	W	W	W	W	22,277	-	22,761
August 1993 .....	W	W	W	W	23,729	-	24,373
September 1992 .....	W	W	W	W	23,463	-	24,110
<b>Montana</b>							
September 1993 .....	-	W	W	W	25,190	W	26,670
August 1993 .....	-	603	W	W	26,322	-	26,925
September 1992 .....	-	1,263	W	W	23,788	-	25,051
<b>Utah</b>							
September 1993 .....	W	W	6,600	25,501	32,101	-	32,674
August 1993 .....	W	W	W	W	36,012	-	36,261
September 1992 .....	W	W	3,810	26,196	30,006	-	31,131
<b>Wyoming</b>							
September 1993 .....	W	W	1,897	31,368	33,265	-	34,162
August 1993 .....	-	185	2,365	30,910	33,275	-	33,460
September 1992 .....	W	W	2,818	25,257	28,075	-	28,766
<b>PAD District V Total</b>							
September 1993 .....	777	W	23,119	482,411	505,530	W	517,196
August 1993 .....	597	W	36,363	489,985	526,348	W	534,212
September 1992 .....	W	14,269	33,027	509,512	542,539	W	559,343
<b>Alaska</b>							
September 1993 .....	-	5,527	11,740	W	W	W	30,151
August 1993 .....	-	W	18,295	12,991	31,286	W	35,736
September 1992 .....	-	10,715	9,734	W	W	W	30,871
<b>Arizona</b>							
September 1993 .....	W	W	-	36,808	36,808	-	36,931
August 1993 .....	-	W	W	W	39,291	W	39,378
September 1992 .....	W	W	W	W	31,202	-	31,352
<b>California</b>							
September 1993 .....	452	W	W	W	251,134	W	252,742
August 1993 .....	W	816	W	W	267,243	W	268,884
September 1992 .....	W	938	W	W	288,130	W	290,932
<b>Hawaii</b>							
September 1993 .....	-	W	W	15,778	W	-	16,672
August 1993 .....	-	W	W	14,101	W	-	14,979
September 1992 .....	-	W	W	17,034	W	-	17,538
<b>Nevada</b>							
September 1993 .....	-	179	W	W	23,302	-	23,481
August 1993 .....	-	W	W	22,600	W	-	23,196
September 1992 .....	-	269	W	W	22,128	-	22,397
<b>Oregon</b>							
September 1993 .....	W	W	2,642	65,716	68,358	-	69,012
August 1993 .....	-	285	7,466	64,252	71,718	-	72,013
September 1992 .....	W	W	5,533	60,792	66,325	-	67,366
<b>Washington</b>							
September 1993 .....	W	1,089	8,081	78,866	86,947	W	88,208
August 1993 .....	W	760	9,686	69,540	79,226	W	80,026
September 1992 .....	W	1,248	16,971	80,543	97,514	W	98,887

Dashes (-) = No data reported.

W = Withheld to avoid disclosure of individual company data.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Totals may not equal the sum of components due to rounding.

Note: Total Distillate = No. 1 Distillate + No. 2 Distillate + No. 4 Fuel Oil.

Source: Energy Information Administration Form EIA-782C, "Monthly Report of Petroleum Products Sold into States for Consumption."

**Standard  
Errors and  
Survey  
Response  
Percentages**



**Table 50. Standard Errors of Total Motor Gasoline Prices<sup>a</sup>**  
**by Sales Type, PAD District and State**  
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Refiner/Reseller				Reseller			
	Sales to End Users			Sales for Resale	Sales to End Users			Sales for Resale
	Through Company Outlets	Other End Users	Average		Through Company Outlets	Other End Users	Average	
<b>U.S. Average</b>								
September 1993 .....	0.2	0.3	0.1	0.1	0.3	0.4	0.2	0.3
August 1993 .....	.1	.3	.1	.1	.2	.3	.2	.2
<b>PAD District I Average</b>								
September 1993 .....	.3	.6	.3	.1	.5	.7	.4	.4
August 1993 .....	.2	.4	.2	.1	.3	.5	.3	.3
<b>Subdistrict IA Average</b>								
September 1993 .....	.5	.9	.5	.1	.6	1.3	.6	.4
August 1993 .....	.5	.6	.4	.1	.5	.8	.5	.3
<b>Connecticut</b>								
September 1993 .....	.6	.6	.5	.2	.7	.7	.6	.9
August 1993 .....	.4	.5	.4	.1	.5	.6	.5	.4
<b>Maine</b>								
September 1993 .....	.1	1.4	.2	.3	.1	1.5	.2	.6
August 1993 .....	.2	1.1	.3	.2	.2	1.1	.2	.5
<b>Massachusetts</b>								
September 1993 .....	.6	1.5	.8	.2	.7	2.0	.9	.9
August 1993 .....	.6	1.0	.6	.2	.6	1.3	.7	.5
<b>New Hampshire</b>								
September 1993 .....	1.5	.8	1.4	1.2	1.7	.7	1.7	2.9
August 1993 .....	.7	.2	.7	.5	.8	.2	.8	.8
<b>Rhode Island</b>								
September 1993 .....	2.9	1.5	2.6	.4	3.3	1.5	3.2	.7
August 1993 .....	2.7	1.6	2.5	.3	3.2	2.1	3.0	.6
<b>Vermont</b>								
September 1993 .....	.2	.7	.3	.3	.2	.6	.3	.4
August 1993 .....	.3	.4	.3	.2	.3	.4	.3	.4
<b>Subdistrict IB Average</b>								
September 1993 .....	.8	.8	.6	.1	1.2	.9	1.0	.5
August 1993 .....	.4	.6	.4	.1	.7	.6	.6	.3
<b>Delaware</b>								
September 1993 .....	.5	1.5	.5	.1	.5	1.6	.5	.6
August 1993 .....	.2	1.3	.2	.1	.2	1.3	.2	.3
<b>District of Columbia</b>								
September 1993 .....	NA	.8	1.0	.2	NA	NA	1.0	.8
August 1993 .....	NA	.7	.1	.1	NA	.7	.2	.5
<b>Maryland</b>								
September 1993 .....	1.0	1.3	.6	.1	1.0	1.3	.6	.8
August 1993 .....	.7	.8	.5	.1	.7	.8	.5	.6
<b>New Jersey</b>								
September 1993 .....	.1	1.1	.4	.3	.8	1.7	1.1	.8
August 1993 .....	.1	.9	.3	.1	.6	1.2	.9	.4
<b>New York</b>								
September 1993 .....	.3	2.0	.3	.2	.5	2.2	.5	.7
August 1993 .....	.3	1.2	.4	.1	.5	1.3	.5	.5
<b>Pennsylvania</b>								
September 1993 .....	1.6	.9	1.4	.3	2.3	1.0	2.0	.9
August 1993 .....	1.0	1.0	.9	.2	1.7	1.1	1.4	.8
<b>Subdistrict IC Average</b>								
September 1993 .....	.4	.9	.3	.2	.5	1.1	.5	.7
August 1993 .....	.3	.7	.2	.1	.4	.7	.4	.6
<b>Florida</b>								
September 1993 .....	1.1	2.1	1.0	.5	1.9	3.4	1.7	2.7
August 1993 .....	.7	1.5	.6	.4	1.1	1.6	1.0	2.7
<b>Georgia</b>								
September 1993 .....	.6	1.6	.4	.3	.7	1.4	.6	1.1
August 1993 .....	.3	1.1	.3	.3	.5	1.0	.4	1.0
<b>North Carolina</b>								
September 1993 .....	.8	1.6	.7	.4	1.0	1.7	.9	1.0
August 1993 .....	.7	.9	.6	.3	.9	.9	.8	.8
<b>South Carolina</b>								
September 1993 .....	.7	3.5	.6	.3	1.0	3.9	.9	.8
August 1993 .....	.7	3.4	.6	.3	1.0	3.8	.9	.7

See footnotes at end of table.

**Table 50. Standard Errors of Total Motor Gasoline Prices<sup>a</sup>  
by Sales Type, PAD District and State (Continued)**  
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Refiner/Reseller				Reseller			
	Sales to End Users			Sales for Resale	Sales to End Users			Sales for Resale
	Through Company Outlets	Other End Users	Average		Through Company Outlets	Other End Users	Average	
<b>Virginia</b>								
September 1993 .....	0.4	1.0	0.4	0.2	0.6	1.1	0.6	0.7
August 1993 .....	.4	.9	.4	.1	.6	1.1	.5	.7
<b>West Virginia</b>								
September 1993 .....	.8	.8	.7	.4	1.3	1.4	1.1	1.1
August 1993 .....	.5	.5	.4	.6	1.2	.9	1.0	1.3
<b>PAD District II Average</b>								
September 1993 .....	.2	.4	.2	.1	.4	.5	.3	.4
August 1993 .....	.2	.4	.2	.1	.3	.4	.3	.3
<b>Illinois</b>								
September 1993 .....	.8	.9	.8	.2	1.4	.9	1.2	.7
August 1993 .....	.7	.8	.6	.2	1.2	.9	1.0	.7
<b>Indiana</b>								
September 1993 .....	.3	1.2	.3	.5	.6	1.2	.5	1.4
August 1993 .....	.4	1.0	.4	.5	.6	1.1	.5	1.4
<b>Iowa</b>								
September 1993 .....	.6	.9	.5	.2	.7	.9	.6	.5
August 1993 .....	.3	1.0	.3	.1	.4	1.0	.4	.4
<b>Kansas</b>								
September 1993 .....	.5	1.2	.5	.3	.8	1.0	.7	1.0
August 1993 .....	.6	1.0	.5	.2	.8	.8	.7	.7
<b>Kentucky</b>								
September 1993 .....	.9	1.8	.9	.4	1.3	2.1	1.4	1.2
August 1993 .....	1.0	2.4	1.0	.3	1.5	2.8	1.5	1.1
<b>Michigan</b>								
September 1993 .....	.4	1.3	.4	.2	1.2	1.8	1.1	1.1
August 1993 .....	.4	.8	.4	.3	.8	.9	.8	1.6
<b>Minnesota</b>								
September 1993 .....	.7	1.1	.7	.5	1.4	1.0	1.1	.8
August 1993 .....	.5	2.0	.6	.1	1.0	2.1	1.0	.3
<b>Missouri</b>								
September 1993 .....	.9	1.3	.8	.5	1.4	1.5	1.2	1.5
August 1993 .....	.6	1.6	.5	.2	.9	1.8	.8	.8
<b>Nebraska</b>								
September 1993 .....	.3	.8	.3	.2	.4	.8	.3	.6
August 1993 .....	.3	1.0	.3	.2	.3	1.0	.4	.5
<b>North Dakota</b>								
September 1993 .....	2.0	1.5	1.3	.5	2.1	1.5	1.4	1.6
August 1993 .....	1.2	2.0	1.0	.4	1.3	2.0	1.0	1.0
<b>Ohio</b>								
September 1993 .....	.5	1.4	.5	.3	1.7	1.8	1.7	1.4
August 1993 .....	.3	.9	.2	.2	.7	1.2	.7	.7
<b>Oklahoma</b>								
September 1993 .....	.9	1.3	.8	.2	1.4	1.7	1.3	1.1
August 1993 .....	.7	1.3	.7	.2	1.1	2.2	1.1	.9
<b>South Dakota</b>								
September 1993 .....	1.3	1.1	1.1	.6	1.3	1.1	1.1	1.8
August 1993 .....	1.1	2.4	1.2	.4	1.1	2.4	1.2	1.1
<b>Tennessee</b>								
September 1993 .....	.4	1.3	.4	.5	.6	1.5	.7	2.1
August 1993 .....	.3	1.5	.3	.5	.5	1.7	.5	1.6
<b>Wisconsin</b>								
September 1993 .....	.4	1.8	.4	.3	.6	2.0	.6	.7
August 1993 .....	.4	1.6	.4	.3	.5	1.6	.5	.7
<b>PAD District III Average</b>								
September 1993 .....	.3	.9	.3	.3	.5	1.0	.5	.9
August 1993 .....	.3	1.0	.3	.2	.4	1.1	.4	.6
<b>Alabama</b>								
September 1993 .....	.7	1.3	.8	.7	.8	1.5	.9	1.9
August 1993 .....	.6	1.0	.7	.5	.7	1.2	.8	1.3
<b>Arkansas</b>								
September 1993 .....	.9	1.4	1.0	.5	1.2	1.4	1.2	2.0
August 1993 .....	.9	1.6	1.1	.3	1.1	1.6	1.4	1.0

See footnotes at end of table.

**Table 50. Standard Errors of Total Motor Gasoline Prices<sup>a</sup>  
by Sales Type, PAD District and State (Continued)**  
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Refiner/Reseller				Reseller			
	Sales to End Users			Sales for Resale	Sales to End Users			Sales for Resale
	Through Company Outlets	Other End Users	Average		Through Company Outlets	Other End Users	Average	
<b>Louisiana</b>								
September 1993 .....	0.8	2.4	1.0	0.4	1.3	2.5	1.4	1.5
August 1993 .....	.9	2.1	1.0	.4	1.4	2.1	1.5	1.0
<b>Mississippi</b>								
September 1993 .....	1.2	1.8	1.1	.5	1.3	2.1	1.1	1.5
August 1993 .....	.9	1.4	.8	.4	1.0	1.4	.9	1.1
<b>New Mexico</b>								
September 1993 .....	1.4	2.0	1.2	.3	2.0	2.2	1.8	2.1
August 1993 .....	1.0	1.5	.9	.2	1.5	1.6	1.3	1.0
<b>Texas</b>								
September 1993 .....	.4	1.8	.4	.4	.7	2.0	.7	1.3
August 1993 .....	.3	1.9	.3	.4	.5	2.2	.5	1.0
<b>PAD District IV Average</b>								
September 1993 .....	.3	.9	.3	.2	.4	.9	.4	.8
August 1993 .....	.2	.7	.3	.2	.4	.8	.4	.7
<b>Colorado</b>								
September 1993 .....	.3	2.0	.3	.2	.8	2.0	.8	.9
August 1993 .....	.3	1.8	.3	.2	.8	1.9	.8	.9
<b>Idaho</b>								
September 1993 .....	.7	1.3	.6	.8	.7	1.3	.6	3.3
August 1993 .....	.6	.8	.5	.6	.6	.7	.5	2.4
<b>Montana</b>								
September 1993 .....	.7	1.0	.6	.2	.7	1.0	.6	.4
August 1993 .....	.4	1.7	.7	.5	.4	1.7	.7	1.8
<b>Utah</b>								
September 1993 .....	.6	.7	.6	.2	.9	1.3	.9	1.0
August 1993 .....	.7	.7	.7	.3	1.0	1.0	1.0	1.0
<b>Wyoming</b>								
September 1993 .....	.7	3.2	.9	.4	.9	3.3	1.0	1.3
August 1993 .....	.9	1.7	.9	.3	1.1	1.8	1.1	1.0
<b>PAD District V Average</b>								
September 1993 .....	.3	1.6	.4	.2	.6	1.9	.8	1.1
August 1993 .....	.3	1.4	.4	.2	.5	1.6	.8	1.0
<b>Alaska</b>								
September 1993 .....	7.0	6.7	3.9	.7	5.2	5.0	2.8	3.5
August 1993 .....	4.7	4.9	2.2	.6	3.7	4.0	2.1	1.8
<b>Arizona</b>								
September 1993 .....	.3	1.6	.4	.3	.4	1.8	.6	1.5
August 1993 .....	.3	1.6	.4	.3	.4	1.8	.6	1.2
<b>California</b>								
September 1993 .....	.4	2.4	.6	.2	1.7	2.8	1.6	1.6
August 1993 .....	.4	2.0	.6	.2	1.4	2.3	1.5	1.3
<b>Hawaii</b>								
September 1993 .....	.1	3.3	.4	.1	.1	4.3	.1	2.2
August 1993 .....	.1	3.1	.4	.1	.1	3.7	.2	2.0
<b>Nevada</b>								
September 1993 .....	.5	.7	.7	.2	.6	.8	.9	.7
August 1993 .....	.9	1.0	1.0	.2	1.0	1.1	1.1	1.0
<b>Oregon</b>								
September 1993 .....	.5	1.1	.5	.4	.8	1.1	.7	1.7
August 1993 .....	.7	1.4	.5	.5	1.1	1.5	.7	2.8
<b>Washington</b>								
September 1993 .....	.4	1.5	.4	.3	1.2	1.6	1.1	2.0
August 1993 .....	.5	1.4	.5	.2	1.2	1.5	1.0	1.1

<sup>a</sup> Sales prices shown in Tables 28, 29 and 30.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Standard errors are not additive. Standard errors that are less than 0.1 and greater than zero are displayed as 0.1.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 51. Standard Errors of Motor Gasoline Prices<sup>a</sup> by Grade,  
PAD District, and State**  
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Refiner/Reseller											
	Leaded Regular			Unleaded Regular			Unleaded Midgrade			Premium		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>U.S. Average</b>												
September 1993 .....	0.3	0.5	0.2	0.2	0.3	0.1	0.2	0.6	0.1	0.2	0.6	0.1
August 1993 .....	.3	.4	.2	.1	.3	.1	.1	.6	.1	.1	.4	.1
<b>PAD District I Average</b>												
September 1993 .....	1.0	2.1	NA	.3	.5	.1	.3	.9	.1	.4	1.1	.1
August 1993 .....	2.2	2.0	4.6	.2	.4	.1	.2	1.0	.1	.3	.8	.1
<b>Subdistrict IA Average</b>												
September 1993 .....	-	NA	NA	.5	.8	.1	.8	.7	.1	.8	1.5	.2
August 1993 .....	-	NA	NA	.4	.5	.1	.8	.5	.1	.8	.8	.1
<b>Connecticut</b>												
September 1993 .....	-	-	-	.6	.6	.2	.6	.7	.1	.8	1.2	.2
August 1993 .....	-	-	-	.3	.3	.1	.4	.5	.1	.6	1.2	.1
<b>Maine</b>												
September 1993 .....	-	-	-	.2	1.4	.2	.2	1.8	.4	.4	2.7	.5
August 1993 .....	-	-	-	.2	1.1	.2	.3	1.6	.3	.5	1.4	.3
<b>Massachusetts</b>												
September 1993 .....	-	-	-	.6	1.0	.2	.7	1.3	.1	.6	2.4	.2
August 1993 .....	-	-	-	.6	.8	.2	.7	.9	.2	.6	1.5	.2
<b>New Hampshire</b>												
September 1993 .....	-	-	-	1.9	.5	1.0	1.0	.1	1.5	.7	2.5	1.9
August 1993 .....	-	-	-	.9	.5	.3	.5	.1	.6	.8	.5	.8
<b>Rhode Island</b>												
September 1993 .....	-	NA	-	2.6	1.3	.4	4.1	.7	.3	3.9	3.7	.5
August 1993 .....	-	NA	-	2.3	.7	.2	4.0	.5	.2	4.0	3.1	.3
<b>Vermont</b>												
September 1993 .....	-	NA	NA	.3	.9	.3	.3	.4	.2	.5	.8	.3
August 1993 .....	-	NA	NA	.4	.7	.2	.2	.3	.1	.7	.5	.2
<b>Subdistrict IB Average</b>												
September 1993 .....	1.0	2.3	5.2	.7	.6	.1	.8	1.0	.1	.8	1.3	.1
August 1993 .....	2.3	2.1	4.4	.4	.4	.1	.5	.7	.1	.5	.9	.1
<b>Delaware</b>												
September 1993 .....	-	-	-	.4	.9	.1	.9	1.5	.1	.7	3.5	.1
August 1993 .....	-	-	-	.2	.9	.1	.1	1.1	.1	.2	2.8	.1
<b>District of Columbia</b>												
September 1993 .....	-	-	-	NA	.8	.2	NA	.7	.1	NA	NA	.1
August 1993 .....	-	-	-	NA	.4	.1	NA	.4	.1	NA	NA	.1
<b>Maryland</b>												
September 1993 .....	-	NA	-	.9	1.3	.1	1.1	1.4	.1	1.3	1.8	.1
August 1993 .....	-	-	-	.5	.6	.1	.9	.9	.1	1.1	1.2	.1
<b>New Jersey</b>												
September 1993 .....	-	NA	-	.1	.8	.2	.1	3.6	.3	.1	.9	.3
August 1993 .....	-	NA	-	.1	.7	.1	.1	2.6	.1	.1	.8	.3
<b>New York</b>												
September 1993 .....	NA	2.0	5.3	.3	1.4	.2	.2	3.1	.1	.3	3.8	.2
August 1993 .....	.2	1.6	4.8	.4	.7	.1	.3	1.7	.2	.3	2.3	.3
<b>Pennsylvania</b>												
September 1993 .....	NA	1.2	NA	1.4	.8	.3	1.4	.8	.4	1.7	1.1	.2
August 1993 .....	NA	1.8	.0	.9	.8	.2	.9	1.0	.3	1.2	1.1	.2
<b>Subdistrict IC Average</b>												
September 1993 .....	NA	NA	-	.3	.7	.1	.3	1.7	.2	.4	1.8	.2
August 1993 .....	NA	NA	NA	.2	.6	.1	.3	1.9	.2	.3	1.4	.2
<b>Florida</b>												
September 1993 .....	-	-	-	1.0	1.7	.4	.8	2.6	.5	.7	3.2	.4
August 1993 .....	-	-	-	.6	1.4	.3	.5	2.3	.5	.5	3.3	.3
<b>Georgia</b>												
September 1993 .....	NA	-	-	.3	1.3	.3	.6	2.0	.5	1.2	4.2	.4
August 1993 .....	NA	-	-	.2	1.1	.2	.6	1.4	.4	1.1	2.5	.3
<b>North Carolina</b>												
September 1993 .....	-	NA	-	.6	1.5	.3	.8	3.1	.5	1.0	3.0	.5
August 1993 .....	-	NA	-	.5	.9	.3	.7	1.7	.4	.9	1.2	.4

See footnotes at end of table.

**Table 51. Standard Errors of Motor Gasoline Prices<sup>a</sup> by Grade,  
PAD District, and State (Continued)**  
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Refiner/Reseller											
	Leaded Regular			Unleaded Regular			Unleaded Midgrade			Premium		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>South Carolina</b>												
September 1993 .....	-	-	-	0.6	2.0	0.3	0.7	NA	0.3	0.8	3.1	0.3
August 1993 .....	-	-	-	.6	2.1	.3	.7	8.8	.2	.8	2.8	.3
<b>Virginia</b>												
September 1993 .....	-	-	-	.4	.6	.2	.4	1.6	.2	.5	1.4	.2
August 1993 .....	-	-	NA	.4	.5	.1	.4	1.6	.2	.5	1.5	.1
<b>West Virginia</b>												
September 1993 .....	-	NA	-	.8	.7	.4	1.0	1.4	.5	.8	1.1	.5
August 1993 .....	-	NA	-	.5	.4	.6	.6	.7	.7	.6	.6	.4
<b>PAD District II Average</b>												
September 1993 .....	0.9	0.8	0.5	.2	.4	.1	.2	1.0	.2	.2	.7	.1
August 1993 .....	1.0	.6	.5	.2	.4	.1	.2	.9	.1	.2	.6	.1
<b>Illinois</b>												
September 1993 .....	1.3	4.2	NA	1.2	1.0	.1	.7	1.3	.3	.7	1.3	.2
August 1993 .....	1.0	4.6	.6	1.0	.9	.2	.7	1.4	.2	.5	1.4	.1
<b>Indiana</b>												
September 1993 .....	1.8	.9	NA	.3	1.3	.5	.4	1.6	.6	.5	2.2	.5
August 1993 .....	1.5	1.0	1.4	.3	1.1	.5	.5	1.8	.6	.6	1.5	.5
<b>Iowa</b>												
September 1993 .....	.7	.5	2.7	.7	1.0	.1	.8	2.6	.4	.5	2.1	.1
August 1993 .....	.6	.8	2.7	.3	1.0	.1	.8	2.4	.5	.6	2.0	.2
<b>Kansas</b>												
September 1993 .....	2.4	NA	NA	.5	1.1	.3	.6	3.0	1.1	.8	1.8	.4
August 1993 .....	1.4	NA	4.6	.6	.9	.2	.7	2.4	.6	1.1	1.7	.3
<b>Kentucky</b>												
September 1993 .....	NA	NA	NA	.7	1.6	.3	.9	2.2	.4	1.1	2.4	.6
August 1993 .....	NA	NA	NA	.8	2.1	.3	1.2	2.5	.5	1.1	3.3	.4
<b>Michigan</b>												
September 1993 .....	.7	1.2	.7	.4	1.4	.2	.3	2.0	.2	.8	.7	.2
August 1993 .....	.8	1.1	.6	.4	.9	.3	.3	1.0	.4	.6	.8	.3
<b>Minnesota</b>												
September 1993 .....	.6	2.6	1.9	.6	1.2	.3	1.3	1.6	1.2	1.0	2.7	.5
August 1993 .....	.7	2.7	.2	.5	2.0	.2	.9	1.6	.7	.8	2.1	.3
<b>Missouri</b>												
September 1993 .....	2.7	.3	2.4	.8	1.2	.5	1.2	2.1	.7	.7	NA	.4
August 1993 .....	3.3	.6	1.9	.7	1.5	.2	.8	2.6	.9	.7	2.0	.4
<b>Nebraska</b>												
September 1993 .....	.8	1.3	.4	.4	.9	.2	.6	2.4	.7	.8	2.7	.2
August 1993 .....	1.8	1.7	.3	.3	1.1	.2	.8	2.2	.9	.6	1.9	.1
<b>North Dakota</b>												
September 1993 .....	1.8	.8	1.5	2.1	1.4	.5	1.7	.5	.1	1.4	2.1	.5
August 1993 .....	1.0	1.0	1.5	1.2	1.7	.4	1.6	NA	.1	.9	2.2	.4
<b>Ohio</b>												
September 1993 .....	1.1	1.6	NA	.4	1.0	.2	.4	3.1	.4	.6	1.1	.2
August 1993 .....	1.7	NA	NA	.2	.7	.2	.3	2.1	.3	.3	.8	.2
<b>Oklahoma</b>												
September 1993 .....	.8	-	NA	.9	1.6	.2	.9	1.7	1.1	1.2	1.5	.4
August 1993 .....	.4	-	NA	.7	1.5	.2	.8	2.8	.8	1.0	1.4	.4
<b>South Dakota</b>												
September 1993 .....	.7	1.7	.8	1.5	1.4	.5	2.4	1.4	1.5	1.0	.3	1.0
August 1993 .....	.3	1.2	.7	1.3	2.5	.3	1.9	2.0	.9	1.2	.5	.7
<b>Tennessee</b>												
September 1993 .....	NA	-	-	.4	1.1	.4	.3	1.4	.6	.3	2.3	.7
August 1993 .....	NA	-	-	.2	1.1	.3	.3	1.9	.6	.4	2.4	.6
<b>Wisconsin</b>												
September 1993 .....	1.0	1.3	1.3	.5	1.9	.3	.4	4.1	.3	.5	1.1	.3
August 1993 .....	.9	.9	1.5	.4	1.4	.3	.5	3.6	.4	.5	1.6	.3
<b>PAD District III Average</b>												
September 1993 .....	1.4	NA	.7	.3	1.1	.2	.3	1.1	.4	.4	1.0	.3
August 1993 .....	1.3	1.0	.2	.2	1.3	.2	.2	1.2	.4	.3	1.0	.3

See footnotes at end of table.

**Table 51. Standard Errors of Motor Gasoline Prices<sup>a</sup> by Grade,  
PAD District, and State (Continued)**  
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Refiner/Reseller											
	Leaded Regular			Unleaded Regular			Unleaded Midgrade			Premium		
	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale	Sales to End Users		Sales for Resale
	Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users		Through Company Outlets	Other End Users	
<b>Alabama</b>												
September 1993 .....	NA	-	NA	0.6	1.2	0.7	0.8	1.9	0.8	1.0	1.9	0.8
August 1993 .....	NA	-	-	.4	1.1	.5	.7	1.6	.5	.9	1.2	.6
<b>Arkansas</b>												
September 1993 .....	NA	-	NA	.7	1.4	.5	1.3	1.6	.9	1.1	1.5	.8
August 1993 .....	NA	-	NA	.6	1.6	.4	1.2	1.6	.5	1.4	1.8	.4
<b>Louisiana</b>												
September 1993 .....	2.5	-	-	.7	2.5	.4	.7	3.3	.5	.8	2.1	.5
August 1993 .....	2.3	-	-	.7	2.0	.3	.6	3.1	.4	.8	2.1	.4
<b>Mississippi</b>												
September 1993 .....	NA	NA	NA	1.0	1.6	.5	1.1	2.9	.8	1.4	2.9	.7
August 1993 .....	NA	-	-	.8	1.2	.3	.9	1.8	.5	1.2	2.7	.5
<b>New Mexico</b>												
September 1993 .....	.9	2.7	0.3	1.4	1.9	.4	2.3	4.0	.9	2.3	.9	.5
August 1993 .....	1.0	1.8	.2	1.1	1.8	.2	.9	.8	.7	1.5	.7	.3
<b>Texas</b>												
September 1993 .....	1.2	2.4	.2	.4	2.2	.3	.3	1.1	.7	.4	2.2	.8
August 1993 .....	1.3	.9	.3	.3	2.5	.3	.2	2.3	.6	.3	1.8	.5
<b>PAD District IV Average</b>												
September 1993 .....	.4	1.0	.4	.3	.9	.2	.2	2.2	.2	.2	2.0	.2
August 1993 .....	.3	.9	.3	.3	.8	.2	.3	2.4	.2	.3	1.2	.2
<b>Colorado</b>												
September 1993 .....	.5	2.5	1.0	.4	1.9	.3	.2	.9	.2	.2	2.6	.2
August 1993 .....	.6	2.7	.7	.3	1.9	.3	.3	1.4	.2	.2	2.6	.2
<b>Idaho</b>												
September 1993 .....	.6	1.5	1.1	.7	1.4	.7	1.0	-	.3	1.3	1.9	.7
August 1993 .....	.5	.8	.8	.6	.8	.6	NA	NA	NA	1.3	.8	.5
<b>Montana</b>												
September 1993 .....	.7	.9	.2	.7	1.4	.2	NA	NA	-	.7	1.5	.2
August 1993 .....	.4	1.8	.5	.4	1.8	.5	NA	NA	-	.4	1.3	.4
<b>Utah</b>												
September 1993 .....	.7	1.1	.4	.7	.8	.2	.4	-	.2	.6	.7	.1
August 1993 .....	.7	1.8	.2	.8	.6	.3	.5	-	.5	.7	.9	.4
<b>Wyoming</b>												
September 1993 .....	.7	2.1	.2	.9	2.6	.4	.9	NA	1.0	.4	8.9	.5
August 1993 .....	.8	1.7	.2	1.0	1.7	.3	1.8	NA	.5	.6	3.0	.4
<b>PAD District V Average</b>												
September 1993 .....	.4	.9	.2	.3	1.5	.2	.6	2.1	.2	.3	1.7	.2
August 1993 .....	.5	1.0	.2	.3	1.4	.2	.6	1.7	.2	.3	1.4	.2
<b>Alaska</b>												
September 1993 .....	1.7	1.7	.6	7.2	6.8	.7	-	-	-	6.7	8.4	.6
August 1993 .....	1.2	2.1	.1	4.9	5.1	.6	-	-	-	4.5	4.5	.4
<b>Arizona</b>												
September 1993 .....	.4	3.7	.3	.3	1.5	.3	2.9	NA	.4	.4	3.4	.3
August 1993 .....	.4	3.1	.3	.3	1.6	.3	2.3	NA	.3	.4	1.8	.4
<b>California</b>												
September 1993 .....	-	-	NA	.4	2.2	.2	.7	2.4	.2	.4	2.3	.2
August 1993 .....	-	-	NA	.4	1.9	.2	.7	2.0	.2	.4	1.7	.2
<b>Hawaii</b>												
September 1993 .....	-	-	-	.1	3.5	.2	.1	.7	.1	.1	3.8	.1
August 1993 .....	-	-	-	.1	3.0	.1	.1	1.2	.1	.1	3.7	.1
<b>Nevada</b>												
September 1993 .....	4.1	4.2	.1	.5	.9	.1	.1	1.5	.1	.3	1.8	.1
August 1993 .....	3.0	NA	.7	1.0	1.2	.1	.2	1.5	.1	.3	1.8	.1

**Table 52. Standard Errors of No. 2 Distillate Prices<sup>a</sup> by Sales Type,  
PAD District, and Selected States**  
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Sales to End Users						Sales for Resale
	To Residential Consumers <sup>b</sup>	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets <sup>c</sup>	To Other End Users	Average	
<b>U.S. Average</b>							
September 1993 .....	0.6	0.3	0.6	0.4	0.4	0.3	0.1
August 1993 .....	.7	.2	.5	.3	.4	.2	.1
<b>PAD District I Average</b>							
September 1993 .....	.8	.3	.6	.8	.7	.4	.1
August 1993 .....	.8	.3	.6	.5	.5	.3	.1
<b>Subdistrict IA Average</b>							
September 1993 .....	1.0	.4	1.1	.4	.7	.7	.1
August 1993 .....	1.1	.6	.7	.4	.6	.7	.1
<b>Connecticut</b>							
September 1993 .....	2.9	.9	1.7	1.2	1.9	1.4	.3
August 1993 .....	2.8	.8	1.4	.9	2.5	1.3	.4
<b>Maine</b>							
September 1993 .....	.9	.5	3.7	.6	1.4	.7	.2
August 1993 .....	.9	.6	1.8	.6	1.5	.4	.3
<b>Massachusetts</b>							
September 1993 .....	1.4	.9	2.1	1.0	.4	1.5	.1
August 1993 .....	1.6	1.4	1.3	1.2	.4	1.6	.1
<b>New Hampshire</b>							
September 1993 .....	1.4	1.0	1.7	.7	2.2	.7	.4
August 1993 .....	1.1	.6	2.1	.6	1.9	.8	.6
<b>Rhode Island</b>							
September 1993 .....	3.8	1.2	1.0	1.0	.5	2.5	.1
August 1993 .....	3.7	.6	.8	.9	.7	2.0	.1
<b>Vermont</b>							
September 1993 .....	.9	.6	.9	.4	1.9	.7	.1
August 1993 .....	.7	.4	.6	.5	1.9	.9	.3
<b>Subdistrict IB Average</b>							
September 1993 .....	1.2	.5	1.1	.5	.9	.6	.1
August 1993 .....	1.3	.5	1.0	.4	.8	.6	.1
<b>Delaware</b>							
September 1993 .....	3.1	.6	1.0	.7	2.4	.5	.4
August 1993 .....	2.1	.5	1.0	.6	3.6	.8	.3
<b>District of Columbia</b>							
September 1993 .....	.4	NA	NA	NA	.4	.4	.0
August 1993 .....	.4	.3	NA	NA	.3	.3	.0
<b>Maryland</b>							
September 1993 .....	1.3	.8	1.4	1.3	2.0	.8	.3
August 1993 .....	.9	.8	1.2	.9	1.6	.7	.3
<b>New Jersey</b>							
September 1993 .....	2.0	.8	.6	1.3	1.2	1.0	.1
August 1993 .....	2.4	.8	.5	1.0	1.6	.7	.1
<b>New York</b>							
September 1993 .....	2.9	1.5	3.4	1.1	.8	1.4	.1
August 1993 .....	2.5	1.4	2.1	1.0	.8	1.5	.1
<b>Pennsylvania</b>							
September 1993 .....	1.2	.5	1.9	.5	2.4	.7	.1
August 1993 .....	.7	.5	2.1	.4	1.7	.6	.1
<b>Subdistrict IC Average</b>							
September 1993 .....	.9	.5	.9	1.4	1.0	.6	.2
August 1993 .....	.8	.5	1.0	.9	.8	.5	.2
<b>Virginia</b>							
September 1993 .....	.7	.7	1.5	.5	1.5	.5	.1
August 1993 .....	.8	1.4	2.2	.4	1.6	.7	.1
<b>West Virginia</b>							
September 1993 .....	2.1	.4	.5	.9	1.3	.3	.4
August 1993 .....	2.4	.3	.5	1.0	1.1	.3	.4
<b>PAD District II Average</b>							
September 1993 .....	.7	.6	.8	.7	.6	.5	.1
August 1993 .....	.8	.3	.8	.3	.7	.3	.1
<b>Illinois</b>							
September 1993 .....	2.4	1.1	2.5	.7	1.6	1.2	.3
August 1993 .....	2.1	1.0	2.7	.6	1.7	1.2	.3

See footnotes at end of table.

**Table 52. Standard Errors of No. 2 Distillate Prices<sup>a</sup> by Sales Type,  
PAD District, and Selected States (Continued)**  
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Sales to End Users						Sales for Resale
	To Residential Consumers <sup>b</sup>	To Commercial/ Institutional Consumers	To Industrial Consumers	Sales Through Company Outlets <sup>c</sup>	To Other End Users	Average	
<b>Indiana</b>							
September 1993 .....	1.8	0.6	1.4	2.3	1.7	1.3	0.2
August 1993 .....	1.2	.4	1.7	1.2	2.1	.9	.2
<b>Michigan</b>							
September 1993 .....	1.6	1.6	2.4	1.2	2.3	1.1	.4
August 1993 .....	1.7	1.5	1.9	1.4	1.7	1.1	.4
<b>Minnesota</b>							
September 1993 .....	.7	1.1	1.7	1.4	1.6	.9	.4
August 1993 .....	1.1	1.1	1.7	1.2	1.4	.8	.5
<b>Ohio</b>							
September 1993 .....	1.6	.7	1.2	.4	1.9	.6	.2
August 1993 .....	1.0	.7	1.1	.4	2.0	.5	.1
<b>Wisconsin</b>							
September 1993 .....	2.3	1.9	1.7	.8	1.8	.9	.5
August 1993 .....	3.0	2.2	2.1	.8	2.1	1.0	.2
<b>PAD District III Average</b>							
September 1993 .....	6.9	.6	.9	.6	1.2	.5	.1
August 1993 .....	3.7	.4	.8	.6	1.2	.5	.1
<b>PAD District IV Average</b>							
September 1993 .....	1.0	.8	1.1	.6	1.0	.7	.2
August 1993 .....	1.4	.9	1.3	1.0	1.3	.7	.2
<b>Idaho</b>							
September 1993 .....	1.2	1.4	1.5	2.7	1.7	1.3	.2
August 1993 .....	2.1	1.6	1.5	3.1	2.5	2.0	.2
<b>PAD District V Average</b>							
September 1993 .....	1.4	.7	1.2	.6	.9	.5	.2
August 1993 .....	1.8	.7	1.3	.5	.9	.5	.1
<b>Alaska</b>							
September 1993 .....	3.0	1.6	2.2	2.0	NA	1.9	.4
August 1993 .....	2.7	3.5	2.4	1.9	6.4	1.9	.1
<b>Oregon</b>							
September 1993 .....	2.7	1.3	2.8	2.0	1.6	.9	.4
August 1993 .....	1.4	1.3	1.6	1.1	2.0	.9	.4
<b>Washington</b>							
September 1993 .....	1.9	1.8	2.0	2.8	2.3	1.3	.2
August 1993 .....	1.1	1.8	3.6	2.1	1.9	1.2	.1

<sup>a</sup> Sales prices shown in Table 38.

<sup>b</sup> No. 2 fuel oil only.

<sup>c</sup> No. 2 diesel fuel only.

Dashes (-) = No data reported.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Standard errors are not additive. Standard errors that are less than 0.1 and greater than zero are displayed as 0.1.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 53. Standard Errors of No. 2 Fuel Oil Prices,<sup>a</sup> by Sales Type,  
PAD District, and Selected States**  
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Sales to End Users					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End Users	Average	
<b>U.S. Average</b>						
September 1993 .....	0.6	0.6	0.5	0.8	0.5	0.1
August 1993 .....	.7	.6	.5	.8	.5	.1
<b>PAD District I Average</b>						
September 1993 .....	.8	.9	.8	.8	.6	.1
August 1993 .....	.8	.8	.8	.8	.6	.1
<b>Subdistrict IA Average</b>						
September 1993 .....	1.0	.7	.8	.5	.8	.1
August 1993 .....	1.1	.6	.5	.3	.8	.2
<b>Connecticut</b>						
September 1993 .....	2.9	1.6	1.3	.8	2.0	.3
August 1993 .....	2.8	1.5	1.2	1.7	2.0	.5
<b>Maine</b>						
September 1993 .....	.9	.6	1.8	NA	.7	.2
August 1993 .....	.9	.7	.4	NA	.5	.1
<b>Massachusetts</b>						
September 1993 .....	1.4	1.4	.8	.3	1.7	.1
August 1993 .....	1.6	1.2	1.5	.3	1.8	.1
<b>New Hampshire</b>						
September 1993 .....	1.4	.9	1.8	NA	1.0	.1
August 1993 .....	1.1	.9	1.9	NA	1.1	.1
<b>Rhode Island</b>						
September 1993 .....	3.8	2.8	3.2	NA	3.3	.1
August 1993 .....	3.7	2.1	2.6	NA	2.9	.1
<b>Vermont</b>						
September 1993 .....	.9	1.2	.3	NA	.8	.1
August 1993 .....	.7	.6	.6	NA	.9	.1
<b>Subdistrict IB Average</b>						
September 1993 .....	1.2	1.6	.5	.4	1.0	.1
August 1993 .....	1.3	1.4	.5	.6	1.1	.1
<b>Delaware</b>						
September 1993 .....	3.1	1.1	.7	.4	1.3	.8
August 1993 .....	2.1	.9	NA	.2	1.2	.4
<b>District of Columbia</b>						
September 1993 .....	.4	NA	-	NA	.5	.0
August 1993 .....	.4	.2	-	NA	.4	.0
<b>Maryland</b>						
September 1993 .....	1.3	.9	1.3	.6	1.2	.3
August 1993 .....	.9	1.0	1.9	.2	1.1	.1
<b>New Jersey</b>						
September 1993 .....	2.0	3.1	.2	1.2	1.8	.1
August 1993 .....	2.4	.8	.2	3.1	1.9	.1
<b>New York</b>						
September 1993 .....	2.9	3.5	.7	.2	1.8	.1
August 1993 .....	2.5	2.9	.7	.8	2.1	.1
<b>Pennsylvania</b>						
September 1993 .....	1.2	1.1	1.4	1.6	1.0	.1
August 1993 .....	.7	1.2	2.1	1.6	.6	.1
<b>Subdistrict IC Average</b>						
September 1993 .....	.9	1.6	2.4	1.8	1.3	.1
August 1993 .....	.8	1.6	2.2	1.6	1.2	.1
<b>Virginia</b>						
September 1993 .....	.7	.6	4.8	2.3	1.1	.1
August 1993 .....	.8	.7	6.0	1.8	1.0	.1
<b>West Virginia</b>						
September 1993 .....	2.1	1.0	1.8	1.0	.8	.1
August 1993 .....	2.4	.7	1.8	1.7	1.4	.1
<b>PAD District II Average</b>						
September 1993 .....	.7	.4	.6	2.0	.6	.1
August 1993 .....	.8	.5	.6	1.6	.6	.1
<b>Illinois</b>						
September 1993 .....	2.4	1.2	1.3	1.8	1.3	.1
August 1993 .....	2.1	1.6	.8	3.1	2.0	.1

See footnotes at end of table.

**Table 53. Standard Errors of No. 2 Fuel Oil Prices,<sup>a</sup> by Sales Type,  
PAD District, and Selected States (Continued)**  
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Sales to End Users					Sales for Resale
	To Residential Consumers	To Commercial/ Institutional Consumers	To Industrial Consumers	To Other End Users	Average	
<b>Indiana</b>						
September 1993 .....	1.8	0.4	1.8	4.2	1.2	0.1
August 1993 .....	1.2	NA	2.0	5.3	1.5	.1
<b>Michigan</b>						
September 1993 .....	1.6	.9	1.2	4.9	1.2	.4
August 1993 .....	1.7	.6	2.3	3.7	1.0	.4
<b>Minnesota</b>						
September 1993 .....	.7	1.9	1.3	1.4	1.7	.1
August 1993 .....	1.1	1.8	.6	.5	2.2	.1
<b>Ohio</b>						
September 1993 .....	1.6	.4	1.1	1.7	1.6	.1
August 1993 .....	1.0	1.3	.9	1.6	1.2	.1
<b>Wisconsin</b>						
September 1993 .....	2.3	2.4	1.7	7.8	2.0	.4
August 1993 .....	3.0	2.4	.8	4.1	2.2	.3
<b>PAD District III Average</b>						
September 1993 .....	6.9	.3	2.4	.5	.8	.1
August 1993 .....	3.7	.2	.1	.1	.5	.0
<b>PAD District IV Average</b>						
September 1993 .....	1.0	.5	NA	1.2	1.3	.1
August 1993 .....	1.4	.3	NA	.5	1.3	.1
<b>Idaho</b>						
September 1993 .....	1.2	1.3	NA	NA	1.0	.0
August 1993 .....	2.1	.8	-	NA	1.6	.0
<b>PAD District V Average</b>						
September 1993 .....	1.4	1.8	1.7	2.2	1.5	.2
August 1993 .....	1.8	3.8	2.8	2.4	2.1	.1
<b>Alaska</b>						
September 1993 .....	3.0	5.1	4.0	3.3	2.8	.3
August 1993 .....	2.7	9.2	5.5	4.2	3.5	.1
<b>Oregon</b>						
September 1993 .....	2.7	.8	NA	2.7	2.6	.1
August 1993 .....	1.4	4.2	NA	NA	1.9	.1
<b>Washington</b>						
September 1993 .....	1.9	1.3	.7	.9	2.7	.1
August 1993 .....	1.1	1.3	1.2	.7	2.6	.1

<sup>a</sup> Sales prices shown in Table 38.

Dashes (-) = No data reported.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Standard errors are not additive. Standard errors that are less than 0.1 and greater than zero are displayed as 0.1.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 54. Standard Errors of Residual Fuel Oil Prices,<sup>a</sup> by PAD District and Selected States**  
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>U.S. Average</b>						
September 1993 .....	0.4	0.5	0.1	0.1	0.1	0.2
August 1993 .....	.4	.1	.1	.1	.1	.1
<b>PAD District I Average</b>						
September 1993 .....	.2	.1	.1	.4	.1	.3
August 1993 .....	.2	.1	.1	.0	.1	.1
<b>Subdistrict IA Average</b>						
September 1993 .....	.1	.0	.2	.0	.1	.0
August 1993 .....	.1	.0	.1	NA	.1	.0
<b>Connecticut</b>						
September 1993 .....	.1	NA	NA	-	.3	NA
August 1993 .....	.0	NA	NA	-	.2	NA
<b>Maine</b>						
September 1993 .....	.0	NA	.0	NA	.0	.0
August 1993 .....	.0	NA	.0	NA	.0	.0
<b>Massachusetts</b>						
September 1993 .....	.1	NA	.3	NA	.2	.0
August 1993 .....	.1	.0	.0	NA	.1	.0
<b>New Hampshire</b>						
September 1993 .....	.2	-	.1	-	.1	-
August 1993 .....	NA	-	.0	-	.0	-
<b>Rhode Island</b>						
September 1993 .....	.0	NA	NA	-	.0	NA
August 1993 .....	.0	NA	-	-	.0	NA
<b>Subdistrict IB Average</b>						
September 1993 .....	.2	.1	.3	.1	.3	.1
August 1993 .....	.4	.1	.3	.0	.3	.1
<b>Delaware</b>						
September 1993 .....	.1	NA	.1	NA	.1	NA
August 1993 .....	.1	NA	.1	NA	.1	NA
<b>Maryland</b>						
September 1993 .....	.1	NA	.1	NA	.1	NA
August 1993 .....	.1	.1	.3	NA	.1	.1
<b>New Jersey</b>						
September 1993 .....	.1	.3	.0	NA	.1	.4
August 1993 .....	.1	.0	.0	.0	.1	.0
<b>New York</b>						
September 1993 .....	.4	.4	.8	NA	.6	.4
August 1993 .....	.8	.1	.3	.0	.5	.1
<b>Pennsylvania</b>						
September 1993 .....	.5	.0	.0	.0	.3	.0
August 1993 .....	.3	.0	.0	NA	.2	.0
<b>Subdistrict IC Average</b>						
September 1993 .....	.2	NA	.1	.9	.1	.9
August 1993 .....	.1	NA	.1	.0	.1	.1
<b>Florida</b>						
September 1993 .....	.2	-	.2	NA	.1	NA
August 1993 .....	.0	NA	.0	NA	.0	.0
<b>Georgia</b>						
September 1993 .....	-	-	.0	NA	.0	NA
August 1993 .....	-	NA	.0	NA	.0	NA
<b>North Carolina</b>						
September 1993 .....	NA	-	.1	NA	.2	NA
August 1993 .....	NA	-	.0	.0	.0	.0
<b>South Carolina</b>						
September 1993 .....	NA	-	NA	NA	NA	NA
August 1993 .....	NA	-	NA	NA	NA	NA
<b>Virginia</b>						
September 1993 .....	.1	NA	.1	.0	.1	.0
August 1993 .....	.1	NA	.4	.0	.2	.0
<b>PAD District II Average</b>						
September 1993 .....	.7	.3	.4	.0	.3	.1
August 1993 .....	.4	.0	.1	.0	.4	.0

See footnotes at end of table.

**Table 54. Standard Errors of Residual Fuel Oil Prices,<sup>a</sup> by PAD District and Selected States (Continued)**  
(Cents per Gallon, Excluding Taxes)

Geographic Area Month	Residual Fuel Oil Sulfur Content Less Than or Equal to 1 Percent		Residual Fuel Oil Sulfur Content Greater Than 1 Percent		Average	
	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale	Sales to End Users	Sales for Resale
<b>Illinois</b>						
September 1993 .....	NA	NA	NA	NA	NA	NA
August 1993 .....	NA	NA	NA	NA	0.0	0.0
<b>Indiana</b>						
September 1993 .....	0.0	-	0.0	0.0	.0	.0
August 1993 .....	.0	-	.0	NA	.0	NA
<b>Michigan</b>						
September 1993 .....	.9	0.0	1.4	NA	.9	.0
August 1993 .....	.5	NA	.9	-	.5	NA
<b>Minnesota</b>						
September 1993 .....	NA	NA	.0	NA	.0	NA
August 1993 .....	NA	-	.0	NA	.0	NA
<b>Ohio</b>						
September 1993 .....	NA	NA	.0	NA	.0	NA
August 1993 .....	NA	NA	.0	NA	.0	.0
<b>PAD District III Average</b>						
September 1993 .....	NA	.6	.2	.1	.2	.1
August 1993 .....	NA	.1	.2	.0	.2	.1
<b>Alabama</b>						
September 1993 .....	NA	NA	.3	NA	.3	NA
August 1993 .....	-	-	.0	NA	.0	NA
<b>Louisiana</b>						
September 1993 .....	NA	NA	.1	.1	.2	.1
August 1993 .....	NA	.0	.1	.0	.1	.0
<b>Mississippi</b>						
September 1993 .....	-	NA	.8	NA	.8	.1
August 1993 .....	-	NA	.1	NA	.1	NA
<b>Texas</b>						
September 1993 .....	-	.2	.4	.2	.4	.2
August 1993 .....	-	.1	.4	.0	.4	.1
<b>PAD District IV Average</b>						
September 1993 .....	-	.0	.0	NA	.0	.0
August 1993 .....	-	.0	.0	NA	.0	.0
<b>PAD District V Average</b>						
September 1993 .....	.1	.1	.1	.1	.1	.1
August 1993 .....	.1	.2	.1	.1	.1	.1
<b>California</b>						
September 1993 .....	NA	.1	.1	.3	.1	.2
August 1993 .....	1.8	.4	.1	.1	.1	.2
<b>Hawaii</b>						
September 1993 .....	NA	-	.0	NA	.0	NA
August 1993 .....	NA	NA	.0	NA	.0	NA
<b>Oregon</b>						
September 1993 .....	-	-	NA	.1	NA	.1
August 1993 .....	-	-	.0	NA	.0	NA
<b>Washington</b>						
September 1993 .....	NA	-	.0	.0	.1	.0
August 1993 .....	NA	-	.0	.0	.1	.0

<sup>a</sup> Sales prices shown in Table 41.

Dashes (-) = No data reported.

NA = Not available.

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual. Standard errors are not additive. Standard errors that are less than 0.1 and greater than zero are displayed as 0.1.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," and EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report."

**Table 55. Response Rate by Entity, PAD District, and State**  
(Percent)

Geographic Area	Refiners		Resellers and Retailers		Suppliers	
	September 1993	August 1993	September 1993	August 1993	September 1993	August 1993
<b>U.S. Average</b> .....	95.6	96.3	89.5	93.6	99.5	99.8
<b>PAD District I Average</b> .....	95.1	95.4	90.6	94.3	100.0	100.0
Subdistrict IA Average .....	91.9	92.4	90.5	92.8	100.0	100.0
Connecticut .....	95.2	95.0	91.8	97.9	100.0	100.0
Maine .....	94.4	94.1	94.3	91.0	100.0	100.0
Massachusetts .....	90.0	90.0	88.5	92.0	100.0	100.0
New Hampshire .....	88.2	94.1	85.7	86.7	100.0	100.0
Rhode Island .....	89.5	88.9	89.1	91.0	100.0	100.0
Vermont .....	93.8	92.8	96.4	96.5	100.0	100.0
Subdistrict IB Average .....	96.1	95.4	90.2	95.1	100.0	100.0
Delaware .....	100.0	100.0	93.1	98.1	100.0	100.0
District of Columbia .....	92.3	91.7	89.6	96.7	100.0	100.0
Maryland .....	92.0	92.0	90.9	96.3	100.0	100.0
New Jersey .....	96.7	93.3	89.3	91.3	100.0	100.0
New York .....	97.0	97.0	91.2	96.8	100.0	100.0
Pennsylvania .....	97.2	97.2	88.2	93.8	100.0	100.0
Subdistrict IC Average .....	96.0	97.0	91.0	94.9	100.0	100.0
Florida .....	96.9	97.0	90.1	97.8	100.0	100.0
Georgia .....	94.4	97.3	91.1	96.7	100.0	100.0
North Carolina .....	94.3	97.1	87.9	92.8	100.0	100.0
South Carolina .....	96.8	96.8	92.2	95.0	100.0	100.0
Virginia .....	97.6	97.4	92.2	94.5	100.0	100.0
West Virginia .....	96.1	96.1	93.8	93.7	100.0	100.0
<b>PAD District II Average</b> .....	96.5	97.1	89.2	92.8	99.7	99.9
Illinois .....	97.2	97.2	91.2	92.8	98.2	100.0
Indiana .....	94.7	97.2	89.1	94.9	100.0	100.0
Iowa .....	97.0	93.9	89.9	92.4	100.0	98.0
Kansas .....	100.0	100.0	90.2	93.1	100.0	100.0
Kentucky .....	94.3	97.1	89.1	90.4	100.0	100.0
Michigan .....	89.6	96.4	84.8	90.5	97.9	100.0
Minnesota .....	97.2	97.0	90.8	93.1	100.0	100.0
Missouri .....	97.3	97.3	82.7	84.5	100.0	100.0
Nebraska .....	100.0	100.0	93.9	95.0	100.0	100.0
North Dakota .....	93.1	96.7	91.9	98.3	100.0	100.0
Ohio .....	94.6	94.6	91.3	95.1	100.0	100.0
Oklahoma .....	97.6	97.9	85.3	90.8	100.0	100.0
South Dakota .....	100.0	100.0	86.7	92.0	100.0	100.0
Tennessee .....	97.1	94.3	90.0	93.9	100.0	100.0
Wisconsin .....	96.8	96.7	89.9	97.0	100.0	100.0
<b>PAD District III Average</b> .....	95.9	97.0	87.5	94.9	99.1	99.4
Alabama .....	94.7	97.4	92.7	100.0	97.9	100.0
Arkansas .....	97.3	97.4	86.3	92.6	100.0	100.0
Louisiana .....	94.3	98.1	85.5	93.3	100.0	98.2
Mississippi .....	95.3	97.6	83.9	96.5	100.0	100.0
New Mexico .....	96.4	96.6	83.9	93.4	100.0	100.0
Texas .....	97.0	95.7	89.9	93.5	97.8	98.9
<b>PAD District IV Average</b> .....	94.3	95.0	90.8	93.2	100.0	100.0
Colorado .....	94.4	97.1	91.1	94.8	100.0	100.0
Idaho .....	94.1	94.1	91.2	92.6	100.0	100.0
Montana .....	88.2	94.1	94.0	98.0	100.0	100.0
Utah .....	95.8	91.3	84.5	86.2	100.0	100.0
Wyoming .....	96.4	96.4	92.7	94.6	100.0	100.0
<b>PAD District V Average</b> .....	95.0	95.5	86.5	92.8	97.0	99.5
Alaska .....	93.8	93.3	81.8	100.0	94.1	100.0
Arizona .....	96.4	96.4	89.6	93.0	100.0	100.0
California .....	94.7	97.4	87.5	92.0	95.8	98.0
Hawaii .....	88.9	100.0	100.0	100.0	100.0	100.0
Nevada .....	95.4	95.2	95.9	92.1	96.4	100.0
Oregon .....	96.0	92.0	86.3	90.0	96.8	100.0
Washington .....	95.4	95.2	88.3	93.2	96.5	100.0

Note: Values shown for the current month are preliminary. Values shown for previous month are revised. Data are final upon publication in the Petroleum Marketing Annual.

Sources: Energy Information Administration Form EIA-782A, "Refiners/Gas Plant Operators' Monthly Petroleum Product Sales Report," EIA-782B, "Reseller/Retailers' Monthly Petroleum Product Sales Report," and EIA-782C, "Monthly Report of Petroleum Products Sold Into States for Consumption."



## **Explanatory Notes**



# Explanatory Notes

## The EIA-782 Survey

### Background

The EIA-782 survey was implemented to fulfill the data requirements necessary to meet Energy Information Administration (EIA) legislative mandates and user community data needs. The requirements include petroleum product price, market distribution, demand (or sales), and product supply data, which are needed for a complete evaluation of petroleum market performance. In the past, these data requirements were fulfilled through the following surveys:

- EIA-460: "Petroleum Industry Monthly Report for Product Prices"
- EIA-9A: "No. 2 Distillate Price Monitoring Report"
- EIA-25: "Prime Supplier's Monthly Report"
- FEA-P306: "Refiner/Importer Monthly Report of Petroleum Product Distribution"
- FEA-P314: "Monthly Survey of Distillate and Residual Fuel Oil Sales to Ultimate Consumers"
- FEA-P315: "Monthly Survey of Propane Sales Volume to Ultimate Consumers"
- SG-1, 2, 4, and 7: "Survey of Gallonage Sales of Gasoline."

The President's Executive Order 12287 on decontrol in January 1981, and the expiration of the Emergency Petroleum Allocation Act (EPAA) on September 30, 1981, brought changes in EIA's legislative mandates and data requirements. These changes, along with EIA's previous commitment to consolidate its data collection, motivated the development of an EIA survey which eliminated regulatory data elements and integrated, consolidated, and continued the collection of basic statistical elements from previous forms.

Comments solicited from the petroleum industry and data users led to the development of this new consolidated survey--the Form EIA-782 series, which includes the Form EIA-782A, *Refiners'/Gas Plant Operators' Monthly Petroleum Product Sales Report*, Form EIA-782B, *Reseller/Retailers' Monthly Petroleum Prod-*

*uct Sales Report*, and Form EIA-782C, *Monthly Report of Petroleum Products Sold into States for Consumption*.

The Form EIA-782A replaced the refiner and gas plant operator portion of the Form EIA-460. Major changes include deleting 10 product categories and redefining and regrouping other product categories formerly on the Form EIA-460 survey, shifting reporting from a national to a State-specific basis, and revising respondent lists and respondent groupings used for publication. The Form EIA-782A collects refiner and gas plant operator monthly price and volume data on a State level for various petroleum products for retail and wholesale marketing categories, with more detailed retail customer sales categories for No. 2 distillate.

The Form EIA-782B replaced the nonrefiner portions of the Form EIA-9A and the Form EIA-460. Major changes to the Form EIA-9A included deleting purchase, inventory, storage capacity, and tax data; regrouping customer sales categories; and revising the frame and sample.

The Form EIA-782C replaced Form EIA-25. Changes made include deletion of some product categories and the regrouping of others.

### Discussion of Sample Design

The Form EIA-782A was sent to a census of refiners and gas plant operators. Respondents were selected with certainty due to their small number and because of the relative size of their sales volume.

The Form EIA-782B was sent to a scientifically selected sample of motor gasoline resellers, and distillate and residual fuel oil resellers and retailers. The Form EIA-863, "Petroleum Product Sales Identification Survey," served as the basis of the sampling frame of dealers. Information obtained from the Form EIA-863 was supplemented with information from the Form EIA-821, "Annual Fuel Oil and Kerosene Sales Report," to provide separate stratification schemes that vary by product and State. Dealers selling in four or more States and company/State units comprising 5 percent or more of sales in that State were selected with certainty. The remaining company/State units on

the frame were stratified within geographic area and sales type by urban/rural designation and volume of product sales. The geographic areas were defined as (a) the 24 States in which No. 2 distillate was a significant heating source and 51 States for residual and motor gasoline, or as (b) the PAD Districts for districts where not all State estimates are provided. The type-of-sale classifications were retail and resale for motor gasoline and residual fuel oil, and residential and non-residential retail and wholesale for distillate. Three volume-of-sales classifications (zero, low, and high) were defined with volume boundaries and numbers of strata, differing by State, sales type, and product.

The design of the EIA-782B sample was based on seven target variables: total retail motor gasoline, total wholesale motor gasoline, residential No. 2 fuel oil, other retail No. 2 fuel oil, total wholesale No. 2 fuel oil, total retail residual fuel oil, and total wholesale residual fuel oil. The required level of accuracy for each target variable was defined by a volume coefficient of variation (CV) of 15 percent for No. 2 distillate and 10 percent for motor gasoline and residual fuel oil, determined at the publishable State level (24 States for distillate, 51 for motor gasoline and residual). Studies on the relationship of volume CV to price CV have shown that this will produce price CVs of less than 1 percent. The reliability of current month estimates will vary from these goals due to the deterioration of the frame over time and the changing distributions of price and volume.

The samples resulting from the separate stratification schemes were combined by means of a linked-selection procedure designed to maximize the overlap among samples. This procedure produced a sample size of approximately 2,788 companies. Each company selected was required to file completed survey forms for all States in which it had petroleum sales.

The Form EIA-782C was sent to all prime suppliers of any of the selected products on the EIA-782C. A prime supplier is a firm that produces, imports, or transports any of the selected petroleum products across State boundaries and local marketing areas and sells the product to local distributors, local retailers, or end users. They were selected with certainty due to their small number and the relative size of their sales volumes.

## Discussion of the Sampling Frame

The Form EIA-782A mailing list consisted of all companies included on the mailing lists for the Form EIA-87, "Refiners Report," and the Form EIA-64, "Natural Gas Liquids Operations Report," in addition to those companies identified as refiners or gas plant operators on the Form EIA-460, "Petroleum Industry Monthly Report for Product Prices," name and address

file. The records from these combined files provided comprehensive coverage of the target population of refiners and gas plant operators. Currently, there are 161 companies responding to the EIA-782A.

The EIA-863 data base provided the sampling frame for the EIA-782B survey. The EIA-863, "Petroleum Product Sales Identification Survey," was mailed to approximately 27,000 companies in January 1989, in order to collect 1988 State level sales volume data for No. 2 distillate, residual, and motor gasoline. The No. 2 distillate data were further identified by residential/nonresidential end-use and non-end-use sales, while the residual and motor gasoline data were identified by end-use and non-end-use sales. The mailing list for the EIA-863 survey was constructed by merging and unduplicating the previous master frame file and approximately 47 State and commercial lists.

Data from the 1988 EIA-821, "Annual Fuel Oil and Kerosene Sales Report" survey were merged with data from the EIA-863 survey to yield a combined file. A transformed and edited version of this file was created to form the sample file used to design and select the EIA-782B sample.

NOTE: Truck stops selling No. 2 diesel fuel were not specifically included in the frame. Therefore, the EIA-782B end-use category, "sales through company outlets," does not incorporate all sales of No. 2 distillate.

The initial Form EIA-782C mailing list consisted of all companies included on the mailing lists for the Forms EIA-782A and EIA-25 and all other firms believed to qualify for reporting. The Form EIA-782C frame currently includes approximately 238 firms.

## Reliability of Data

There are two types of errors possible in an estimate based on a sample survey: sampling and nonsampling. Sampling errors occur because observations are made only on a sample, not on the entire population. Nonsampling errors can be attributed to many sources in the collection and processing of data. The accuracy of survey results are determined by the joint effects of sampling and nonsampling errors.

## Measures of Sampling Variability

Tables 15, 16, 28 to 34, 37 to 39, and 41 utilize a particular sample of nonrefiners and, therefore, have sampling error. The remainder of the tables published are based on census data; therefore, there is no error due

to sampling. The particular sample used for the EIA-782B is one of a large number of all possible samples that could have been selected using the same design. Estimates derived from the different samples would differ from each other. The average of these estimates would be close to the estimate derived from a complete enumeration of the population (a census), assuming that a complete enumeration has the same nonsampling errors as the sample survey.

The sampling error, or standard error of the estimate, is a measure of the variability among the estimates from all possible samples of the same size and design and, thus, is a measure of the precision with which an estimate from a particular sample approximates the results of a complete enumeration. Tables 50 to 54 provide the upper bounds of standard errors for sales prices of motor gasoline, No. 2 distillate, No. 2 fuel oil, and residual fuel oil, respectively.

## Nonsampling Errors

Nonsampling errors can be attributed to many sources: (1) inability to obtain complete information about all cases in the sample (i.e., nonresponse), (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data. These nonsampling errors also occur in complete censuses.

Although no direct measurement of the biases due to nonsampling errors can be obtained, precautionary steps were taken in all phases of the frame development and data collection, processing, and tabulation processes, in an effort to minimize their influence. In addition, the close cooperative consultation between EIA and the EIA-782 survey respondents and data users results in a more accurate information gathering and reporting process. EIA-782 survey response rates are presented by type of entity in Table 55.

## Imputation and Estimation

Survey data gathered from the respondents invariably contain incomplete reporting, nonresponse, and values that fail editing. These missing data are estimated, or imputed for, as follows. First, for all survey units, the previous month's reported value and the previous month's predicted value are weighted together to yield a predicted value for the current month. The sum of the weighted, predicted values for nonrespondents in the current month is then multiplied by a chain link multiplier (the ratio of the sum of the weighted, re-

ported values for respondents in the current month to the sum of the weighted, predicted values for respondents in the current month). The resulting estimate for nonreported values is then added to the reported values. That is,

$$\hat{V}_t = \sum_R W_i^* V_{i,t} + \frac{\sum_R W_i V_{i,t}}{\sum_R W_i \bar{V}_{i,t}} \cdot \sum_{NR} W_i^* \bar{V}_{i,t} \quad (1)$$

Where

$$W_i^* = \frac{N}{\sum_{i=1} W_i} (W_i)$$

$W_i$  = the weight for company  $i$ . For resellers/retailers responding to EIA-782B,  $W_i$  is inversely proportional to the probability of inclusion. For all certainty units  $W_i = 1$ . The certainty units are all respondents to the EIA-782A, the EIA-782C, and the units selected with certainty for the EIA-782B.

$N$  = total number of population units,

$n$  = number of sampled units,

$\sum_R$  = summation across current month respondents,

$\sum_{NR}$  = summation across current month nonrespondents,

$V_{i,t}$  = current month (t) reported volume for company  $i$ ,

$\hat{V}_t$  = current month (t) estimated total volume,

$\bar{V}_{i,t}$  = current month (t) predicted volume for company  $i$ ,

$$\bar{V}_{i,t} = \alpha \bar{V}_{i,t-1} + (1 - \alpha) V_{i,t-1} \quad (2)$$

where

$\bar{V}_{i,t-1}$  = previous month (t-1) predicted volume for company  $i$ ,

$V_{i,t-1}$  = previous month (t-1) reported volume for company  $i$ ,

$\alpha$  = constant between 0 and 1, set by product and type of sale.

Analogously, revenue formulas are expressed by replacing  $\hat{V}_t$ ,  $V_{i,t}$ , and  $V_{i,t-1}$  in (1) and (2) with  $\hat{Q}_t$ ,  $Q_{i,t}$ ,  $Q_{i,t}$ , and  $Q_{i,t-1}$ , where  $Q$  represents revenue, i.e., price times volume. The resulting estimated revenues

and volumes,  $\hat{Q}_t$  and  $\hat{V}_t$ , are aggregated to the publishable level to yield  $\hat{Q}_t$  and  $\hat{V}_t$ , respectively. Current period volume weighted average price is therefore estimated by:

$$\hat{P}_t = \frac{\hat{Q}_t}{\hat{V}_t} \quad (3)$$

where (t.) represents aggregation to the publishable level for the current month (t).

Multiple product data collection and linked sample selection yield two types of respondents: basic and supplemental. Both types are used for imputation, estimation, and standard errors.

Standard errors are obtained by taking the square root of the variance. The variance is estimated by using an approximation to the variance of an estimated ratio for use with an unequal probability sample.

The variance estimate is:

$$VAR(\hat{P}_t) = \frac{1}{\hat{V}_t^2} \sum_k N_k^2 n_k (1-f_k) \frac{M_k}{(\sum_i W_{ik})^2}$$

where

$N_k$  = the number of population units in group k

$n_k$  = the number of basic and volunteer respondents in group k

$W_{ik}$  = the sampling weight for respondent i in group k

$$f_k = \frac{n_k}{N_k}$$

and  $\hat{P}_t$  and  $\hat{V}_t$  are as previously defined.

The term  $M_k$  is computed as follows:

$$M_k = \frac{\sum_i (M_{ik})^2}{n_k - 1}$$

where

$$M_{ik} = W_{ik} V_{ik} D_{ik} - \frac{W_{ik}}{(\sum_i W_{ik})} \times (\sum_i W_{ik} V_{ik} D_{ik})$$

and

$$D_{ik} = P_{ik} - \hat{P}_t$$

$V_{ik}$  = reported volume for respondent i in group k

$P_{ik}$  = reported price for respondent i in group k.

## Data Continuity

The transition from the EIA-460, the EIA-9A, and the EIA-25 to the EIA-782, as discussed under "Background," occurred late in 1982 and involved many changes. These included changes in the reporting forms (such as changes in product definition), the frame, the nonresponse adjustment (imputation procedure), the sample, and the operating system; i.e., the editing and computational procedures. All these changes may be expected to have an impact on the volumes and prices derived from the EIA-782 survey and presented in this publication.

Since the transition from the EIA-460, the EIA-9A, and the EIA-25 to the EIA-782 took place over a period of 4 months, rather than occurring at one time, it was possible to compare data from the predecessor surveys with data from the new survey during the transition period for some data elements. This comparative analysis yielded adjustment factors which reflected the estimated overall effect of the changes.

These adjustment factors were applied to the appropriate predecessor survey prices to yield a backcast estimate. A complete description of the estimation of historical data prior to January 1983 is contained in the feature article of the December 1983(3) issue of the PMM.

The backcast price estimation employed the predecessor survey published price as the initial approximation. The initial approximation, however, frequently represented less aggregated product categories and more aggregated seller/sales categories. Therefore, more comparable product categories were formed by volume weighting the disaggregated predecessor survey product prices. For the EIA-9A, comparable categories were formed by subtracting from the price the average taxes reported. Comparable seller/sales categories were formed by multiplying the predecessor price by the ratio of the EIA-782 price for the category to be estimated divided by the volume weighted prices for the aggregate of the EIA-782 categories most comparable to the predecessor category. That is,

$$\hat{P}_{460,i} = \hat{P}_{460,j} \frac{\hat{P}_{782,i}}{\hat{P}_{782,j}}$$

where  $i$  represents the EIA-782 category to be backcast and  $j$  represents the most similar category on the predecessor survey.

The backcast price series were estimated by multiplying the estimate for the previous time period from the predecessor survey by an adjustment factor:

$$\hat{P}_{782,i,t} = \hat{P}_{\text{Predecessor},i,t} \times (\text{Adjustment Factor})$$

where  $t$  = reference month.

Adjustment factors were computed by dividing the EIA-782 December price by the derived December predecessor price for comparable categories:

$$\text{Adjustment Factor} = \frac{\hat{P}_{782,i,\text{December}}}{\hat{P}_{\text{Predecessor},i,\text{December}}}$$

The EIA-782 December 1982 price for all respondents had to be estimated since not all of the EIA-782 respondents were reporting in December. This estimate was based on the average of the ratios of the prices for the December respondents to the prices for all respondents in January, February, and March of 1982. That is,

$$\hat{P}_{782,i,\text{December}} = \hat{P}_{782,i,r,\text{December}} \div \frac{\sum_m \frac{\hat{P}_{782,i,r,m}}{\hat{P}_{782,i,m}}}{3}$$

where  $r$  = respondents who reported in the December reference month and  $m$  = the months of January, February, and March.

Starting with the January 1984 final estimates, prices published are derived using the sample described under "Discussion of Sample Design." Prices published for January through December 1983 were derived using a different sample and design (see the December 1983(3) issue of the PMM for further description). Therefore, there may be some minor discontinuity between the December 1983 and January 1984 estimates.

## Collection Methods

Survey data are collected by mail every month. It is mandatory for each respondent to submit completed forms to EIA within the specified time allotted. For the EIA-782A and B, completed forms must be submitted no later than 30 calendar days after the close of each reference month. For the EIA-782C, completed forms must be submitted no later than 20 calendar days after the close of the reference month. Telephone fol-

low-up calls to nonrespondents begin the day after the established due date in order to collect all outstanding data. Late submissions and resubmissions are processed when received.

## Data Processing

As EIA-782 forms are received, they are logged into an automated Survey Control File which maintains monthly status codes for each company. The data are reviewed manually and then entered onto the computer files. They are then processed through an automated edit program which detects missing data, inconsistent prices, volumes and prices that significantly differ from those previously reported by the company, and outlying values that will affect published estimates. Data that fail the edits are resolved through telephone calls to the data reporters, and corrections and verification codes are entered on the computer files. Statistical reports, including publication tables, are then generated using only acceptable and verified data.

## Nondisclosure

The data contained in this publication are subject to statistical nondisclosure procedures. The objective of the disclosure-avoidance procedures, as stated in the Energy Information Administration Standard 88-05-06, Subject: "Nondisclosure of Company Identifiable Data in Aggregate Cells," is to ensure that confidential, company-identifiable data are not disclosed in tables where "company specific responses may be proprietary and prohibited from public disclosure by 18 U.S.C. 1905." Statistics representing data aggregated from fewer than three companies or that are dominated by input from one or two companies are withheld. EIA identifies cells that are sensitive according to these criteria by applying a statistical formula to the data contained in each cell to determine if a few companies "dominate" the cell.

If a cell is sensitive, the data in that cell are suppressed and a "W" is placed in the publication cell. Also, since many tables include row or column totals, some nonsensitive data cells have been suppressed to prevent the reader from calculating the suppressed numbers by simply subtracting the published numbers from the total.

## Relationship of Refiner and Prime Supplier Sales Volumes

The refiner sales volumes collected on the EIA-782A are related to the prime supplier sales volumes collected on the EIA-782C, but conceptual differences exist which cause variations between these data. In general, EIA-782A volumes are intended to reflect *refiner sales* of petroleum products into *all secondary and tertiary markets*, while EIA-782C volumes are designed to measure *prime supplier sales* into only the *local markets of ultimate consumption*. Specifically:

- The reporting universe for the EIA-782C survey is significantly larger than that of the EIA-782A. While nearly all refiners and gas plant operators report on both surveys (a small number do not qualify as prime suppliers), some large, inter-State distributors and retailers, as well as some importers, report only on the EIA-782C.
- EIA-782A respondents are asked only to exclude sales to other refiners (that is, other respondents that comprise the primary market), while EIA-782C respondents are asked to exclude sales to any company that is not a local distributor, local retailer, or end user (DRE). Therefore, EIA-782C respondents are asked not only to exclude sales to refiners, but also to most large inter-State resellers, importers, traders, and retailers who transport product across State boundaries.
- The EIA-782A is designed to gather data on the sales of selected petroleum products made in each State, regardless of where the products are physically located or will be consumed. In contrast, the EIA-782C is designed to collect data reflecting only delivered sales of selected petroleum products into those States where the products are expected to be locally consumed.

Consequently, EIA-782A and EIA-782C volumetric data generally vary at national, regional, and State levels. In particular, differences are expected in States and regions in which major supply origination, pipeline distribution, or transfer points are located. In these States, large volumes of product may change hands

many times, often for eventual shipment outside the State. Since the EIA-782C is intended to measure only those sales into the final local markets of consumption (sales to DREs), all preceding sales are excluded. Furthermore, sales by EIA-782C respondents are reported wherever the product was delivered, which may differ from the State where title transferred. In contrast, the EIA-782A reflects all sales made to secondary resellers, wherever title transfers.

Additionally, the EIA-782C reflects imports by firms that are neither refiners nor gas plant operators, that would not be measured on the EIA-782A unless they were transferred to a distribution chain. This would mostly affect regions with a high level of product imports, such as the New England or Mid-Atlantic States.

Therefore, States with major refining areas, such as Texas or California, generally show higher prime supplier sales, since some of the volumes reported on the EIA-782A are excluded on the EIA-782C or are reported in different States. Conversely, net consuming States (e.g., most PAD District I and PAD District II States) may show larger prime supplier sales on the EIA-782C due to inter-State movements or imports by resellers and/or differences in State of delivery versus title transfer. However, this may be partially or entirely offset by some refiners reporting larger sales volumes on the EIA-782A than on the EIA-782C (due to fewer exclusions taken on the EIA-782A).

In summary, caution should be exercised when comparing sales volumes between refiners and prime suppliers. Whereas EIA-782A data reflect the marketing of product by refiners to non-refiners where the sale occurs, EIA-782C data reflect prime supplier sales to local distributors, local retailers, and end users where the product is delivered. Therefore, the EIA-782A and EIA-782C surveys differ by the respondents reporting (refiners versus prime suppliers), the types of sales reported (sales to non-refiners versus sales to DREs), and the location of the reported sales (point of title transfer versus destination of the sale). While refiner volumes and prime supplier sales are related, the complex nature of the U.S. distribution system will result in varying degrees of dissimilarity between them.

**Table EN1. Federal and State Motor Fuel Taxes<sup>1</sup>**  
(Cents per Gallon)

	Motor Gasoline	Diesel Fuel	Gasohol		Motor Gasoline	Diesel Fuel	Gasohol
Federal <sup>2</sup> .....	14.10	20.10	8.70	Mississippi <sup>4</sup> .....	18.40	18.40	18.40
Average State Tax ....	18.77	18.66	18.24	Missouri <sup>4</sup> .....	13.10	13.10	13.10
Alabama <sup>4</sup> .....	18.00	19.00	18.00	Montana <sup>4</sup> .....	25.68	25.68	25.68
Alaska .....	8.00	8.00	8.00	Nebraska <sup>1</sup> .....	24.30	24.30	24.30
Arizona .....	19.00	19.00	19.00	Nevada <sup>4</sup> .....	23.60	27.60	23.60
Arkansas .....	18.70	18.70	18.70	New Hampshire .....	18.80	18.80	18.80
California <sup>3 4</sup> .....	17.60	17.60	17.60	New Jersey .....	14.50	17.50	14.50
Colorado .....	22.31	20.81	22.31	New Mexico <sup>4</sup> .....	23.00	19.00	23.00
Connecticut <sup>3</sup> .....	29.00	18.00	28.00	New York <sup>3 4</sup> .....	22.89	24.89	22.89
Delaware .....	19.00	19.00	19.00	North Carolina .....	22.25	22.25	22.25
District of Columbia ...	20.00	20.00	20.00	North Dakota .....	17.25	17.25	17.25
Florida <sup>4</sup> .....	11.80	11.80	11.80	Ohio .....	22.00	22.00	22.00
Georgia <sup>3</sup> .....	7.60	7.60	7.60	Oklahoma .....	17.00	14.00	17.00
Hawaii <sup>3 4</sup> .....	16.00	16.00	16.00	Oregon <sup>4</sup> .....	24.00	24.00	19.00
Idaho .....	22.00	22.00	18.00	Pennsylvania .....	22.35	22.35	22.35
Illinois <sup>3 4</sup> .....	19.30	21.80	19.30	Rhode Island .....	28.00	28.00	28.00
Indiana <sup>3</sup> .....	15.08	16.08	15.08	South Carolina <sup>4</sup> .....	16.75	16.75	16.75
Iowa <sup>3</sup> .....	20.00	22.50	19.00	South Dakota .....	20.00	20.00	19.00
Kansas .....	18.02	20.02	18.02	Tennessee .....	21.40	18.40	21.00
Kentucky .....	15.40	12.40	15.40	Texas .....	20.00	20.00	20.00
Louisiana <sup>3</sup> .....	20.03	20.03	20.03	Utah .....	19.50	19.50	19.50
Maine .....	19.00	20.00	19.00	Vermont .....	16.00	17.00	16.00
Maryland .....	23.50	24.25	23.50	Virginia <sup>3 4</sup> .....	17.70	16.20	17.70
Massachusetts .....	21.00	21.00	21.00	Washington <sup>4</sup> .....	23.12	23.12	19.44
Michigan <sup>3</sup> .....	15.88	15.88	15.88	West Virginia .....	20.50	20.50	20.50
Minnesota .....	20.00	20.00	18.00	Wisconsin .....	25.40	25.40	25.40
				Wyoming .....	9.00	9.00	5.00

<sup>1</sup> This figure lists rates of general application (including, but not limited to, excise taxes, environmental taxes, special taxes, and inspection fees), exclusive of county and local taxes. Rates are also exclusive of any State taxes based on gross or net receipts. The State rates are effective as of July 1, 1993. We are aware of the following rate changes that will take effect in the next 6 months: Delaware: on September 1, 1993 all products will increase to 23.0 cents per gallon; Hawaii: on August 1, 1993 the Maui Local Option Taxes (LOTS) will increase to 11 cents per gallon.

<sup>2</sup> The Federal tax on motor gasoline and diesel fuel increased 5.0 cents, to 14.1 and 20.1 cents, respectively, on December 1, 1990.

<sup>3</sup> Additional State taxes are levied as follows: California: 7.25-8.25 percent sales tax; Connecticut: 5 percent gross earnings tax; Georgia: 3 percent second motor fuel tax plus 1 percent sales tax; Hawaii: 4 percent sales tax; Illinois: sales tax varies by jurisdiction, from 6.25 to 8.0 percent; Indiana: 5 percent sales and use tax; Iowa: 1 percent environmental protection tax; Louisiana: 3 percent motor gasoline, 4 percent diesel for off-road use; Michigan: 4 percent sales tax; New York: 4 percent sales tax; Virginia: sales and use tax of 2 percent in areas where mass transit systems exist.

<sup>4</sup> Local option taxes are allowed. In Florida, the State assesses a State Comprehensive Enhanced Transportation System (SCETS) tax of two-thirds the county rate (of 1 to 6 cents per gallon) in addition to the regular excise tax. In Hawaii, LOTS are as follows: Honolulu: 16.5 cents per gallon; Maui: 9.0 cents per gallon; Hawaii: 8.8 cents per gallon; Kauai: 10.0 cents per gallon.

Source: State revenue/taxation offices.

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**Table EN 2. U.S. Postal Two-Letter State Abbreviations**

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AL	Alabama	KY	Kentucky	ND	North Dakota
AK	Alaska	LA	Louisiana	OH	Ohio
AZ	Arizona	ME	Maine	OK	Oklahoma
AR	Arkansas	MD	Maryland	OR	Oregon
CA	California	MA	Massachusetts	PA	Pennsylvania
CO	Colorado	MI	Michigan	RI	Rhode Island
CT	Connecticut	MN	Minnesota	SC	South Carolina
DE	Delaware	MS	Mississippi	SD	South Dakota
DC	District of Columbia	MO	Missouri	TN	Tennessee
FL	Florida	MT	Montana	TX	Texas
GA	Georgia	NE	Nebraska	UT	Utah
HI	Hawaii	NV	Nevada	VT	Vermont
ID	Idaho	NH	New Hampshire	VA	Virginia
IL	Illinois	NJ	New Jersey	WA	Washington
IN	Indiana	NM	New Mexico	WI	Wisconsin
IA	Iowa	NY	New York	WV	West Virginia
KS	Kansas	NC	North Carolina	WY	Wyoming

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## Revision Error

The petroleum product price and volume data shown for the current month are preliminary. These numbers may be revised in the next month's publication based on data received late or revisions received. For example, if the latest data shown are for the month of Feb-

ruary, the February data are preliminary and the January data may have been revised due to the receipt of late or revised data. The data are final upon publication in the *Petroleum Marketing Annual* (PMA). The difference between the data when they appear in the *Petroleum Marketing Monthly* (PMM) and when they appear in the PMA is called the revision error. The amount of revision error for some selected EIA-782 data series is shown in the following tables.

**Table EN3. Revision Error in Selected 1992 U.S. Average Price Data**  
(Cents per Gallon Excluding Taxes)

Date	Refiner/Reseller Unleaded Regular Sales to End Users			No. 2 Distillate Sales to Residential Customers			Residual Fuel Oil Sales to End Users		
	Preliminary	Final	Difference	Preliminary	Final	Difference	Preliminary	Final	Difference
January .....	68.3	68.4	-0.1	94.1	94.2	-0.1	29.3	28.8	0.5
February .....	67.4	67.6	-.2	94.0	94.2	-.2	28.0	27.7	.3
March .....	68.3	68.5	-.2	93.0	93.2	-.2	27.9	27.7	.2
April .....	72.1	72.1	.0	92.3	92.5	-.2	29.7	29.6	.1
May .....	77.4	77.4	.0	92.4	92.3	.1	33.4	33.4	.0
June .....	80.4	80.5	-.1	92.4	92.0	.4	34.5	34.5	.0
July .....	79.4	79.4	.0	90.4	90.4	.0	36.7	36.7	.0
August .....	78.3	78.3	.0	88.5	88.6	-.1	38.9	38.8	.1
September .....	78.4	78.4	.0	90.1	90.1	.0	37.7	37.5	.2
October .....	77.4	77.4	.0	93.9	93.7	.2	39.2	39.2	.0
November .....	76.6	76.6	.0	94.7	94.8	-.1	39.4	39.4	.0
December .....	73.3	73.3	.0	94.5	94.5	.0	36.2	36.2	.0

Sources: Preliminary data are from Tables 15, 28, and 40 of the *Petroleum Marketing Monthly*. Final data are from Tables 15, 28, and 40 of the *Petroleum Marketing Annual, 1992*.

**Table EN4. Revision Error in Selected 1992 Refiner Sales Volume Data**  
(Million Gallons)

Date	Motor Gasoline Sales for Resale			No. 2 Distillate Sales for Resale			Residual Fuel Oil Sales to End Users		
	Preliminary	Final	Percent Change	Preliminary	Final	Percent Change	Preliminary	Final	Percent Change
January .....	7,689	7,735	-0.6	3,423	3,399	0.7	843	881	-4.5
February .....	7,328	7,332	-.1	2,965	2,960	.2	763	809	-6.0
March .....	8,029	8,046	-.2	3,123	3,095	.9	770	814	-5.7
April .....	8,191	8,144	.6	3,041	3,026	.5	632	685	-8.4
May .....	8,384	8,355	.3	2,829	2,799	1.1	572	604	-5.6
June .....	8,208	8,150	.7	2,791	2,771	.7	610	646	-5.9
July .....	8,499	8,458	.5	2,830	2,798	1.1	626	660	-3.8
August .....	8,277	8,241	.4	2,818	2,790	1.0	588	585	.5
September .....	8,048	8,048	.0	3,157	3,163	-.2	605	601	.7
October .....	8,254	8,264	-.1	3,141	3,141	.0	611	610	.2
November .....	7,730	7,828	-1.3	2,946	2,989	-1.5	620	620	.0
December .....	8,558	8,550	.1	3,549	3,547	.1	676	689	-1.9

Sources: Preliminary data are from Tables 10, 45, and 46 of the *Petroleum Marketing Monthly* (PMM). Final data are from Tables 10, 45, and 46 of the *Petroleum Marketing Annual, 1992*.

**Table EN5. Revision Error in Selected Volumes of 1992 First Sales Data**  
(Million Gallons)

Date	Total Motor Gasoline			Total No. 2 Distillate			Total Residual Fuel Oil		
	Preliminary	Final	Percent Change	Preliminary	Final	Percent Change	Preliminary	Final	Percent Change
January .....	9,635	9,593	0.4	4,643	4,612	0.7	1,680	1,699	-1.1
February .....	9,205	9,183	.2	4,056	4,019	.9	1,524	1,511	.9
March .....	10,076	10,032	.4	4,278	4,247	.7	1,516	1,578	-4.1
April .....	10,076	10,111	-.3	4,064	4,057	.2	1,481	1,481	.0
May .....	10,157	10,149	.1	3,730	3,723	.2	1,288	1,288	.0
June .....	10,346	10,360	-.1	3,639	3,649	-.3	1,318	1,318	.0
July .....	10,157	10,149	.1	3,639	3,649	-.3	1,318	1,318	.0
August .....	10,568	10,568	.0	3,723	3,715	.2	1,349	1,348	.1
September .....	9,830	9,830	.0	3,681	3,680	.0	1,070	1,067	.3
October .....	10,262	10,257	.0	3,903	3,896	.2	1,157	1,145	1.0
November .....	10,361	10,353	.1	4,201	4,195	.1	1,257	1,247	.8
December .....	9,680	9,656	.2	3,906	3,920	-.4	1,234	1,236	-.3
December .....	10,409	10,317	.9	4,541	4,518	.5	1,352	1,352	.0

Sources: Preliminary data are from Tables 47, 48, and 49 of the *Petroleum Marketing Monthly* (PMM). Final data are from Tables 47, 48, and 49 of the *Petroleum Marketing Annual, 1992*.

# The Crude Oil Price Surveys

## Background

### Form EIA-182: "Domestic Crude Oil First Purchasers' Report"

Each month, EIA-182 provides data from the buyers on first purchases of domestic crude oil. A "first purchase" constitutes a transfer of ownership of crude oil during or immediately after the physical removal of the crude oil from a production property for the first time. Transactions between affiliated companies are reported as if they were "arms-length" transactions. (This definition is consistent with the Windfall Profits Tax (WPT) concepts of "first sale" and "removal price.") The primary objective is to calculate an average first purchase price at various levels of aggregation. A company's monthly average first purchase prices are volume weighted across given geographical areas and are computed from the following reported data elements:

- **Area of production.** The producing State or non-State production "area" (i.e., Alaska North Slope, Alaska Other Mainland, Federal Offshore California and Federal Offshore Gulf--about one-fifth off Texas and the remainder off Louisiana).
- **Total amount paid.** Reported f.o.b. the lease boundary and based on the actual purchase expenditures, including discounts or premiums paid.
- **Total volume purchased.** The amount of crude bought and paid for as it is measured at the lease boundary (usually at a lease automatic custody transfer unit--a LACT unit), adjusted for basic sediment and water (BS&W) and temperature.

Prices published from data collected on Form EIA-182 are calculated by dividing the sum of the total amounts paid by the sum of the total volumes purchased.

### Form EIA-856: "Foreign Crude Oil Acquisition Report"

The EIA-856 provides monthly price and volume data for about 90 percent of all the crude oil imported into the United States. It also provides classification data that enable EIA to determine the terms of an acquisition. The data are reported for the parent company and all the affiliates controlled by the parent. Under this definition, the acquisition price reported for each cargo is the one paid to an unaffiliated seller, in principle an "arms-length" price, which is consistent with use of the data to represent market trends, rather than monitoring internal company transfer pricing policies.

Each month, respondents report the following for cargos acquired for U.S. importation:

- **Offshore inventories.** Crude oil owned by the respondent that is intended for importation into the United States. These inventories include oil in tankers enroute to the United States and floating or on-land storage outside the United States.
- **Crude type.** Includes the country of origin of the cargo of crude, the stream or type of crude oil (e.g., Saudi Light), and the API gravity.
- **Volume.** The number of 42 gallon barrels in the cargo.
- **Dates.** The date of loading/acquisition and the expected month of landing.
- **Transportation.** Ports of loading and landing and the name of the vessel.
- **Prices.** Acquisition cost, landed cost, and other costs such as demurrage, agent's fees, import tariffs and fees, etc. (all costs are reported in dollars per barrel).
- **Days credit.** The number of days credit is extended to the purchaser by the seller.
- **Purchase classifying information.** Type of transaction (e.g., purchase from host government), terms of transaction (spot or contract), and point of transaction (f.o.b. (free on board), country of origin or CIF (cost, insurance, and freight), U.S. port of entry).

Published prices are calculated by first multiplying the purchase volume by a price to obtain a total cost, then the sums of the total costs are divided by the sums of the purchase volumes.

The prices associated with data collected on Form EIA-856 are aggregated within the month of acquisition, which can be the month of loading, the month of landing, or sometime between those events. By design, the prices are not aggregated for the month in which they are determined, unless the acquisition and price determination month are the same. EIA-856 data reflect types of trades occurring over the entire spectrum of international crude oil markets, ranging from continuing supply agreements to spot market purchases. Prices can be determined at time of loading or at time of landing. Prices can be negotiated between the parties involved or tied to spot or futures market price levels. The methodology chosen for the EIA-856 provides a consistent historical series even though its prices may not always agree with measures of prices from other sources.

International crude oil markets are complex and dynamic. For example, a cargo of Saudi Arabian crude oil could be acquired in June at a loading port in Saudi Arabia. The cargo may land in the United States in August. The price for the crude oil could be determined by spot crude oil prices in effect during the 5 days

before and after landing. For the PMM, the price for this cargo will be aggregated in the month of June, when it was acquired. Conversely, a cargo of Brent crude may be acquired in June, but its price may have been determined in the forward Brent market in April. This cargo's price will also be aggregated in June, when the purchaser took title to the crude.

In the early 1980s, most crude oil prices were set by the country selling the crude. Gradually, as the supply of crude oil became more abundant, markets became more competitive. A robust spot market for crude evolved, in which prices for crude oil were determined by demand and supply. Frequently, the official sales price set by the selling government was considerably different than spot market assessments. As buyers began to purchase more crude oil on the spot market, the control that sellers had theretofore exercised eroded.

In order to protect their market share, crude oil producing governments began to tie prices for their crude to market-related prices. When these market-related pricing formulae came into prominence in late 1985, many crude oil prices were tied to a "netback realization," wherein a crude oil's value was determined by volume weighted spot market prices of products derivable from that crude. The weights essentially reflected the relative yield of selected products from a given crude stream. These netback-based formulae gradually gave way to formulae based on spot crude oil assessments.

The formulae and terms used by sellers of crude oil continue to change. Since the EIA-856 prices are aggregated by month of acquisition--not necessarily the same as month of price determination--they may not always show the same pattern as a series from another source (e.g., trade-press publications). During periods of dramatic change in crude oil prices, aggregate prices derived from EIA-856 data will tend to "lead" the market. That is, these prices will show the emerging trend earlier, reach the inflection point sooner, and then return to the underlying trend. When averaged over longer periods of time, however, EIA-856 prices show the same relative price movements as exogenous sources.

#### Form EIA-14: "Refiners' Monthly Cost Report"

The EIA-14 is a monthly census of all U.S. refiners. It collects the net acquisition costs and volumes of crude oil, both domestic and imported, on a corporate national basis (i.e., not for individual refineries). Included in the costs are all charges associated with the acquisition, transportation, and storage of crude incurred by respondents up to the time the oil is booked into their refineries.

Each month, refiners report the volume (in thousands of barrels) and costs (in thousands of dollars) for:

- Domestic crude oil. Oil produced in the United States or from its outer continental shelf
- Imported crude oil. Oil produced outside the United States and brought into the United States for domestic processing
- Unfinished oils. All other oils, whether domestic or imported, requiring further refining, except those requiring only mechanical blending

Average prices are calculated by dividing the total costs by the sum of the volumes.

## Respondent Frame

### EIA-182:

All firms that buy domestic crude oil at the leasehold or leasehold, acquiring ownership of the crude in a first purchase transaction. The list initially was compiled from the 1974 Federal Energy Administration (FIA) Oil and Gas Survey of Producers and Operators. Collection of data from first purchasers began in February 1976. By 1978, the frame consisted of 340 respondents. Of these, 198 purchased more than 150,000 barrels per year and together represented 99.9 percent of the total reported volume.

Adjustments to the frame have mostly been "deaths," with relatively few "births." Following decennial in January 1981, there was a major contraction of the list of active first purchasers. Many small firms went out of business or were absorbed by larger companies. More recent changes include several mergers among majors and one breakup of a major company. Currently, the EIA-182 survey collects data from 170 active respondents.

### EIA-856:

All companies that were reporting data on the EIA-51, "Transfer Pricing Report," as of June 1982, are required to prepare and submit an EIA-856 each month, regardless of the total volumes of crude oil that are imported. In addition, all other companies that acquire more than 500,000 barrels of foreign crude oil in the report month for importation into the United States are required to prepare and submit an EIA-856 for that month.

### EIA-14:

All refiners of crude oil in the United States, including its territories and possessions. There are currently 107 active respondents to the EIA-14.

The list of respondents to the EIA-14 is updated annually by supplementation from the EIA-782A, "Refiner/Gas Plant Operators' Monthly Petroleum Product Sales Report," and the EIA-810, "Monthly Refinery Report."

## Data Collection Processing

All three crude oil data collection systems are operated independently. Each performs similar data collection and processing functions that are outlined below.

Survey data are collected by mail every month. It is mandatory for each respondent to submit completed forms to EIA no later than 30 calendar days after the close of each reference month. Telephone follow-up calls to nonrespondents begin 2 days after the established due date in order to collect all outstanding data. Late submissions and resubmissions are processed when received.

The forms are logged and reviewed manually. The data are then entered onto computer files. The files are then processed through an automated edit program which detects missing data, inconsistent prices, and outlying values that affect published estimates. Data that fail the edits are resolved through telephone calls to data reporters, and corrections and verification codes are entered onto computer files. Statistical reports, including publication tables, are then generated using only acceptable and verified data. Response rates are normally 100 percent by the time final statistics are calculated.

## Nondisclosure

The data contained in this publication are subject to statistical nondisclosure procedures. The objective of the disclosure-avoidance procedures, as stated in the Energy Information Administration Standard 88-05-06, Subject: "Nondisclosure of Company Identifiable Data in Aggregate Cells," is to ensure that confidential, company-identifiable data are not disclosed in tables where "company specific responses may be proprietary and prohibited from public disclosure by 18 U.S.C. 1905." Statistics representing data aggregated from fewer than three companies or that are dominated by input from one or two companies are withheld. EIA identifies cells that are sensitive according to these criteria by applying a statistical formula to the data contained in each cell to determine if a few companies "dominate" the cell.

If a cell is sensitive, the data in that cell are suppressed and a "W" is placed in the publication cell. Also, since

many tables include row or column totals, some nonsensitive data cells have been suppressed to prevent the reader from calculating the suppressed numbers by simply subtracting the published numbers from the total.

## Data Continuity

The crude oil statistics published in the *Petroleum Marketing Monthly* constitute both a republishing of numbers that already appear in the *Monthly Energy Review* (MER) and the *Annual Energy Review* (AER), and a simple extension of the detail of such statistics. These statistics have been published for a number of years in the MER and AER. The data currently collected through the crude oil surveys are compatible with data used to derive statistics for the historical series. The definitions, respondents, and processing have not changed substantially over the years the data have been collected. The target populations and the computational algorithms have remained virtually unchanged.

## Reliability of Data

There are two types of errors possible in an estimate based on a sample survey: sampling and nonsampling. Sampling errors occur because observations are made only on a sample, not on the entire population. Since the crude oil surveys are based on a census of the population, these surveys contain no sampling error.

Nonsampling errors can be attributed to many sources: (1) inability to obtain complete information from all respondents in the survey (i.e., nonresponse), (2) response errors, (3) definitional difficulties, (4) differences in the interpretation of questions, (5) mistakes in recording or coding the data obtained, and (6) other errors of collection, response, coverage, and estimation for missing data.

Although no direct measurement of the biases due to nonsampling errors can be obtained, precautionary steps were taken in all phases of the frame development and data collection, processing, and tabulation processes, in an effort to minimize their influence. In addition, the close cooperative consultation between EIA and the survey respondents and data users results in a more accurate information gathering and reporting process.

## Imputation

Since the response rates for the crude oil survey are virtually 100 percent, there are no imputation procedures in the PMM data for nonresponse to these surveys. Imputation is performed, however, on EIA-182 volume data used in estimating crude oil production published in the *Petroleum Supply Monthly* (PSM). Since production estimates for the PSM are required on an expedited schedule, some responses are imputed for the PSM. However, all responses are received prior to the publication of the PMM, thus no imputation is required for the price data published in the PMM. See Note 8 in the Explanatory Notes in the PSM for additional information on the use of EIA-182 data in estimating domestic crude oil production.

## Revision Error

The crude oil values shown for Domestic First Purchase Prices and Refiner Acquisition Cost (RAC) for the current month and for Average Landed Costs for the current 2 months are preliminary. These numbers are revised in the month after the preliminary month(s) based on data received late or revisions received. For example, in the February publication, the February RAC data are preliminary and the January RAC data may have been revised due to receipt of late or revised data. The data are final upon publication in the *Petroleum Marketing Annual* (PMA). The difference between the data when they first appear in the *Petroleum Marketing Monthly* (PMM) and when they appear in the PMA is called the revision error. The amount of revision error for some selected crude oil data series is shown in the tables which follow.

**Table EN6. 1992 Revision Error: Form EIA-14<sup>1</sup>**  
(Dollars per Barrel)

Date	Refiner Acquisition Costs								
	Domestic			Imported			Composite		
	Preliminary	Final	Difference	Preliminary	Final	Difference	Preliminary	Final	Difference
January .....	16.76	16.80	-0.04	15.98	16.10	-0.12	16.42	16.50	-0.08
February .....	16.48	16.54	-.06	16.17	16.00	.17	16.35	16.30	.05
March .....	16.81	16.71	.10	16.38	16.36	.00	16.62	16.56	.06
April .....	17.89	17.88	.00	17.37	17.37	.00	17.66	17.66	.00
May .....	18.86	18.86	.00	18.79	18.79	.00	18.83	18.83	.00
June .....	20.02	20.13	-.11	19.63	19.83	-.20	19.84	19.99	-.15
July .....	20.42	20.42	.00	19.74	19.74	.00	20.10	20.10	.00
August .....	19.84	19.84	.00	19.25	19.25	.00	19.56	19.56	.00
September .....	19.88	19.88	.00	19.26	19.26	.00	19.59	19.59	.00
October .....	19.84	19.84	.00	19.22	19.34	-.12	19.44	19.49	-.05
November .....	18.81	18.90	-.09	18.37	18.40	-.03	18.60	18.66	-.06
December .....	17.85	17.85	.00	16.94	16.94	.00	17.43	17.43	.00

<sup>1</sup> "Refiners' Monthly Cost Report"

Sources: Preliminary data are from Table 1 of the *Petroleum Marketing Monthly* for each respective month. Final data are from Table 1 of the *Petroleum Marketing Annual*, 1992.

**Table EN7. 1992 Revision Error: Form EIA-182<sup>1</sup>**  
(Dollars per Barrel)

Month	Preliminary	Final	Difference
January .....	13.94	13.99	-0.05
February .....	13.98	14.04	-.06
March .....	14.12	14.12	.00
April .....	15.37	15.36	.01
May .....	16.42	16.38	.04
June .....	17.98	17.86	.02
July .....	17.80	17.80	.00
August .....	17.09	17.07	.02
September .....	17.19	17.20	-.01
October .....	17.16	17.16	.00
November .....	16.03	16.00	.03
December .....	14.93	14.94	-.01

<sup>1</sup> "Domestic Crude Oil First Purchase Report"

Sources: Preliminary data are from Table 1 of the *Petroleum Marketing Monthly* for each respective month. Final data are from Table 1 of the *Petroleum Marketing Annual*, 1992.

**Table EN8. 1992 Revision Error: Form EIA-856<sup>1</sup>**  
(Dollars per Barrel)

Month	FOB Cost of Imports			Landed Cost of Imports		
	Preliminary	Final	Difference	Preliminary	Final	Difference
January .....	14.15	14.32	-0.17	15.14	15.28	-0.14
February .....	14.36	14.68	-.32	15.30	15.60	-.30
March .....	14.84	14.96	-.32	15.64	15.00	-.36
April .....	16.13	16.57	-.44	16.85	17.40	-.55
May .....	17.27	17.56	-.29	18.09	18.38	-.29
June .....	18.36	18.38	-.02	19.42	19.44	-.02
July .....	17.94	18.01	-.07	19.08	19.13	-.05
August .....	17.61	17.65	-.04	18.63	18.74	-.11
September .....	18.01	18.04	-.03	18.88	18.90	-.02
October .....	17.80	17.68	.12	18.90	18.75	.15
November .....	16.45	16.49	-.04	17.79	17.64	.15
December .....	15.49	15.62	-.13	16.48	16.58	-.10

<sup>1</sup> "Monthly Foreign Crude Oil Acquisition Report"

Sources: Preliminary data are from Table 1 of the *Petroleum Marketing Monthly* for each respective month. Final data are from Table 1 of the *Petroleum Marketing Annual, 1992*.

# Product Guide

## Product Guide

Category	Table		
	Prices	Volumes	Prime Supplier Sales
<b>Crude Oil</b>			
Refiner Acquisition Cost			
U.S. Average .....	1	--	--
-by type of refiner .....	19	--	--
Domestic First Purchases			
U.S. Average .....	1	--	--
U.S., PAD District, and State .....	20	--	--
Imports			
FOB Costs .....	1	--	--
-from selected countries .....	21	--	--
-by API gravity .....	23	--	--
-for selected crude streams .....	26	--	--
Landed Costs			
-from selected countries .....	22	--	--
-by API gravity .....	24	--	--
-for selected crude streams .....	27	--	--
<b>Motor Gasoline</b>			
U.S. Average or Total .....	HL1	HL1	47
-by seller type .....	6, 7	8, 9	--
-detailed sales type data .....	10	10	--
-from 1978 to present .....	2, 4, 13	--	--
-from 1983 to present .....	11	3, 5, 12, 14	--
U.S., PAD District, and State			
-by seller type with			
detailed sales type data .....	28, 29, 30	42	--
U.S. and State .....	--	--	47
<b>Leaded Motor Gasoline</b>			
U.S. Average or Total .....	HL1	HL1	47
-by seller type .....	6, 7	8, 9	--
U.S., PAD District, and State			
-detailed sales type data .....	28, 29, 31	43	--
U.S. and State .....	--	--	47
<b>Unleaded Regular Motor Gasoline</b>			
U.S. Average or Total .....	HL1	HL1	47
-by seller type .....	6, 7	8, 9	--
U.S., PAD District, and State			
-detailed sales type data .....	28, 29, 32	43	--
U.S. and State .....	--	--	47
<b>Unleaded Midgrade Motor Gasoline</b>			
U.S. Average or Total .....	HL1	HL1	47
-by seller type .....	6, 7	8, 9	--
U.S., PAD District, and State			
-detailed sales type data .....	28, 29, 33	43	--
U.S. and State .....	--	--	47
<b>Premium Motor Gasoline</b>			
U.S. Average or Total .....	HL1	HL1	47
-by seller type .....	6, 7	8, 9	--
U.S., PAD District, and State			
-detailed sales type data .....	28, 29, 34	43	--
U.S. and State .....	--	--	47

## Product Guide

Category	Table		
	Prices	Volumes	Prime Supplier Sales
<b>Aviation Gasoline</b>			
U.S. Average or Total	HL1	HL1	48
-by seller type	6, 7	8, 9	---
-from 1978 to present	2, 4	---	---
-from 1983 to present	---	3, 5	---
U.S., PAD District, and State	35	44	---
U.S. and State	---	---	48
<b>Kerosene-Type Jet Fuel</b>			
U.S. Average or Total	HL1	HL1	48
-by seller type	6, 7	8, 9	---
-from 1978 to present	2, 4	---	---
-from 1983 to present	---	3, 5	---
U.S., PAD District, and State	35	44	---
U.S. and State	---	---	48
<b>Propane, Consumer Grade</b>			
U.S. Average or Total	HL1	HL1	48
-by seller type	6, 7	8, 9	---
-from 1978 to present	2, 4	---	---
-from 1983 to present	---	3, 5	---
U.S., PAD District, and State	35	44	---
U.S. and State	---	---	48
<b>Kerosene</b>			
U.S. Average or Total	HL1	HL1	---
-by seller type	6, 7	8, 9	---
-from 1978 to present	2, 4	---	---
-from 1983 to present	---	3, 5	---
U.S., PAD District, and State	36	45	---
<b>No. 1 Distillate</b>			
U.S. Average or Total	HL1	HL1	---
-by seller type	6, 7	8, 9	---
-from 1978 to present	2, 4	---	---
-from 1983 to present	---	3, 5	---
U.S., PAD District, and State	36	45	---
<b>No. 2 Distillate</b>			
U.S. Average or Total	HL1	HL1	49
-by seller type	6, 7	8, 9	---
-from 1978 to present	2, 4, 16	---	---
-from 1983 to present	15	3, 5	---
U.S., PAD District, and State	---	---	---
-with detailed sales type data	36, 37, 38	45	---
U.S. and State	---	---	49
<b>No. 2 Fuel Oil</b>			
U.S. Average or Total	HL1	HL1	49
-by seller type	6, 7	8, 9	---
-from 1978 to present	2, 4	---	---
-from 1983 to present	---	3, 5	---
U.S., PAD District, and State	---	---	---
-with detailed sales type data	39	---	---
U.S. and State	---	---	49

## Product Guide

Category	Table		
	Prices	Volumes	Prime Supplier Sales
<b>No. 2 Diesel Fuel</b>			
U.S. Average or Total .....	HL1	HL1	49
-by seller type .....	6, 7	8, 9	---
-from 1978 to present .....	2, 4	---	---
-from 1983 to present .....	---	3, 5	---
U.S. and State .....	---	---	49
<b>No. 4 Fuel</b>			
U.S. Average or Total .....	HL1	HL1	---
-by seller type .....	6, 7	8, 9	---
-from 1978 to present .....	2, 4	---	---
-from 1983 to present .....	---	3, 5	---
U.S. and PAD District .....	40	46	---
<b>Residual Fuel Oil</b>			
U.S. Average or Total .....	HL1	HL1	48
-by seller type .....	6, 7	8, 9	---
-from 1978 to present .....	2, 4, 17	---	---
-from 1983 to present .....	---	3, 5, 18	---
U.S., PAD District, and/or State .....	40, 41	46	---
U.S. and State .....	---	---	48
<b>Residual Fuel Oil (sulfur content less than or equal to 1 percent)</b>			
U.S. Average or Total .....	HL1	HL1	---
-by seller type .....	6, 7	8, 9	---
-from 1978 to present .....	17	---	---
-from 1983 to present .....	---	18	---
U.S., PAD District, and/or State .....	40, 41	46	---
<b>Residual Fuel Oil (sulfur content greater than 1 percent)</b>			
U.S. Average or Total .....	HL1	HL1	---
-by seller type .....	6, 7	8, 9	---
-from 1978 to present .....	17	---	---
-from 1983 to present .....	---	18	---
U.S., PAD District, and/or State .....	40, 41	46	---

--- = Not applicable

## Glossary



# Glossary

**API Gravity:** An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Deg API} = \frac{141.5}{\text{sp gr}_{60\text{degF}/60\text{degF}}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

**Aviation Gasoline (Finished):** All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D 910 and Military Specification MIL-G-5572. Excludes blending components which will be used in blending or compounding into finished aviation gasoline.

**Barrel:** One barrel of crude oil contains 42 gallons.

**CIF:** Cost, insurance, and freight. A transaction for which the seller assumes the costs and risks of bringing the product to the point of destination (generally the port of landing). Thus, a CIF price is a delivered price.

**Commercial/Institutional:** Firms engaged in transportation, wholesale or retail trade, finance, insurance, and real estate. Also included are apartment buildings/complexes and other multifamily dwellings, hotels and office buildings or complexes, local, State, or Federal facilities or organizations including the military, schools, hospitals, religious institutions, universities, and all other Government-supported organizations.

**Company Outlet:** Any retail outlet (e.g., service station) selling gasoline or diesel fuel that is under the direct control of the company filing this report by virtue of the ability to set the retail product price and directly collect all or part of the retail margin. This category includes retail outlets: (1) being operated by salaried employees of the company and/or its subsidiaries and affiliates, and/or (2) involving personnel services contracted by the company.

**Crude Oil (including lease condensate):** A mixture of hydrocarbons that existed in liquid phase in under-

ground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Includes lease condensate and drip gas, as well as liquid hydrocarbons produced from tar sands, gilsonite, and oil shale. Excludes topped crude oil, residual oil, other unfinished oils, and liquids produced at natural gas processing plants and mixed with crude oil, where identifiable. Crude oil is considered as either domestic or imported according to the following:

1. **Domestic Crude Oil:** Crude oil produced in the United States or from its "outer continental shelf" as defined in 43 U.S.C. 1331.
2. **Imported Crude Oil:** Crude oil produced outside the United States and brought into the United States.
3. **First purchase volume and cost data** for crude oil are classified in accordance with what the product was sold as, regardless of the actual specifications. Hence, its volumes may include some of the excluded liquids discussed above.

**Crude Oil Acquisitions (unfinished oil acquisitions):** The volume of crude oil either (1) acquired by the respondent for processing for his own account in accordance with accounting procedures generally accepted and consistently and historically applied by the refiner concerned, or (2) in the case of a processing agreement, delivered to another refinery for processing for the respondent's own account.

Crude oil which has been added by a refiner to inventory, and which is thereafter sold or otherwise disposed of without processing for the account of that refiner, shall be deducted from its crude oil purchases at the time when the related cost is deducted from refinery inventory in accordance with accounting procedures generally applied by the refiner concerned.

**Distillate Fuel Oil:** A general classification for one of the petroleum fractions produced in conventional distillation operations. It is used primarily for space heating, on- and off-highway diesel engine fuel (including railroad engine fuel and fuel for agricultural machinery), and electric power generation. Included are products known as No. 1, No. 2, and No. 4 fuel oils and No. 1, No. 2, and No. 4 diesel fuels.

1. **No. 1 Distillate:** A petroleum distillate which meets the specifications for No. 1 heating or fuel

oil as defined in ASTM D 396 and/or the specifications for No. 1 diesel fuel as defined in ASTM Specification D 975.

- a. **No. 1 Diesel Fuel:** A volatile distillate fuel oil with a boiling range between 300-575 degrees Fahrenheit and used in high-speed diesel engines generally operated under wide variations in speed and load. Includes type C-B diesel fuel used for city buses and similar operations. Properties are defined in ASTM Specification D 975.
  - b. **No. 1 Fuel Oil:** A light distillate fuel oil intended for use in vaporizing pot-type burners. ASTM Specification D 396 specifies for this grade maximum distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent point, and kinematic viscosities between 1.4 and 2.2 centistokes at 100 degrees Fahrenheit.
2. **No. 2 Distillate:** A petroleum distillate which meets the specifications for No. 2 heating or fuel oil as defined in ASTM D 396 and/or the specifications for No. 2 diesel fuel as defined in ASTM Specification D 975.
- a. **No. 2 Diesel Fuel:** A gas oil type distillate of lower volatility with distillation temperatures at the 90-percent point between 540-640 degrees Fahrenheit for use in high speed diesel engines generally operated under uniform speed and load conditions. Includes Type R-R diesel fuel used for railroad locomotive engines, and Type T-T for diesel-engine trucks. Properties are defined in ASTM Specification D 975.
  - b. **No. 2 Fuel Oil:** A distillate fuel oil for use in atomizing type burners for domestic heating or for moderate capacity commercial-industrial burner units. ASTM Specification D 396 specifies for this grade distillation temperatures at the 90-percent point between 540 and 640 degrees Fahrenheit, and kinematic viscosities between 2.0 and 3.6 centistokes at 100 degrees Fahrenheit.

NOTE: Published volume and price data for No. 2 diesel fuel and No. 2 fuel oil are classified in accordance to what the product was sold as, regardless of the actual specifications of that product; i.e., if a No. 2 distillate was sold as a heating or fuel oil, the volume and price would be published in the category "No. 2 Fuel Oil" even if the product conformed to the higher specifications of a diesel fuel.

3. **No. 4 Fuel:** A fuel oil for commercial burner installations not equipped with preheating facilities. It is used extensively in industrial plants. This

grade is a blend of distillate fuel oil and residual fuel oil stocks that conforms to ASTM Specification D 396 or Federal Specification VV-F-815C; its kinematic viscosity is between 5.8 and 26.4 centistokes at 100 degrees Fahrenheit. Also included is No. 4-D, a fuel oil for low- and medium-speed diesel engines that conforms to ASTM Specification D 975.

**First Purchase (of crude oil):** An equity (not custody) transaction involving an arms-length transfer of ownership of crude oil associated with the physical removal of the crude oil from a property (lease) for the first time. A first purchase normally occurs at the time and place of ownership transfer where the crude oil volume sold is measured and recorded on a run ticket or other similar physical evidence of purchase. The reported cost is the actual amount paid by the purchaser, allowing for any adjustments (deductions or premiums) passed on to the producer or royalty owner.

**F.O.B. Price (free on board):** The f.o.b. price is the price actually charged at the producing country's port of loading. The reported price includes deductions for any rebates and discounts or additions of premiums where applicable and should be the actual price paid with no adjustment for credit terms.

**Gas Plant Operator:** Any firm, including a gas plant owner, which operates a gas plant and keeps the gas plant records. A gas plant is a facility in which natural gas liquids are separated from natural gas, or in which natural gas liquids are fractionated or otherwise separated into natural gas liquid products or both. For the purposes of this publication, gas plant operator data are contained in the refiner categories.

**Gasohol:** A blend of finished motor gasoline (leaded or unleaded) and alcohol (generally ethanol but sometimes methanol) in which 10 percent or more of the product is alcohol. For the purposes of this publication, gasohol may be included in any of the grades of gasoline, depending on how it was marketed.

**Industrial:** Firms engaged in mining, construction, or manufacturing.

**Kerosene:** A petroleum distillate that has a maximum distillation temperature of 401 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are the two grades designated in ASTM D3699: No. 1-K and No. 2-K, and all grades of kerosene called range or stove oil. Kerosene is used in space heaters, cook stoves, and water heaters; it is suitable for use as an illuminant when burned in wick lamps.

**Kerosene-Type Jet Fuel:** A quality kerosene product with an average gravity of 40.7 degrees API, and a 10-percent distillation temperature of 400 degrees Fahrenheit. It is covered by ASTM Specification D

**1655 and Military Specification MIL-T-5624L (Grades JP-5 and JP-8).** A relatively low freezing point distillate of the kerosene type, it is used primarily for commercial turbojet and turboprop aircraft engines.

**Landed Cost:** Landed cost represents the dollar per barrel price of crude oil at the port of discharge. Includes charges associated with the purchase, transporting, and insuring of a cargo from the purchase point to the port of discharge. Does not include charges incurred at the discharge port (e.g., import tariffs or fees, wharfage charges, and demurrage).

**Major Refiners:** Refiners with a total refinery capacity in the United States and its possessions of greater than or equal to 275,000 barrels per day as of January 1, 1982. See Tables 5 and 6 of the *Petroleum Supply Annual*, 1981 (pages 107-137) for a listing of refiners and their capacities. The following companies comprise the major refiners for this survey:

Amerada Hess; Amoco Oil Company; Ashland Oil, Inc.; Atlantic Richfield Company; BP Oil; Champlin Refining; Chevron; Citgo Petroleum; Conoco Inc.; Exxon; Lyondell Petrochemical; Marathon Oil Company; Mobil Oil Corporation; Phillips Petroleum Company; Shell Oil Company; Star Enterprise; Sun Company, Inc.; Texaco, Inc.; Unocal (formerly Union Oil Company of California); and Uno-Ven Company.

Prior to being acquired by other major refiners, Getty Oil Company and the Gulf Oil Corporation were also included as major refiners.

**Motor Gasoline (Finished):** A complex mixture of relatively volatile hydrocarbons, with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Specifications for motor gasoline, as given in ASTM Specification D 439-88 or Federal Specification VV-G-1690B, include a boiling range of 122 to 158 degrees Fahrenheit at the 10-percent point to 365 to 374 degrees Fahrenheit at the 90-percent point and a Reid vapor pressure range from 9 to 15 psi. "Motor gasoline" includes finished leaded gasoline, finished unleaded gasoline, and gasohol. Blendstock is excluded until blending has been completed. (Alcohol that is to be used in the blending of gasohol is also excluded.)

1. **Leaded Regular Gasoline:** Gasoline having an antiknock index  $(R + M/2)$  greater than or equal to 87 and less than or equal to 90, and containing more than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.
2. **Unleaded Regular Gasoline:** Gasoline having an antiknock index  $(R + M/2)$  greater than or equal to 85 and less than 88, and containing not more than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.

3. **Unleaded Midgrade Gasoline:** Gasoline having an antiknock index  $(R + M/2)$  greater than or equal to 88 and less than or equal to 90, and containing not more than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.

4. **Premium Gasoline:** Gasoline having an antiknock index  $(R + M/2)$  greater than 90. Includes both *leaded* and *unleaded* premium gasoline.

a. **Leaded Premium Gasoline:** Gasoline having an antiknock index  $(R + M/2)$  greater than 90, and containing more than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.

b. **Unleaded Premium Gasoline:** Gasoline having an antiknock index  $(R + M/2)$  greater than 90, and containing not more than 0.05 grams of lead or 0.005 grams of phosphorus per gallon.

**Naphtha:** A generic term applied to a petroleum fraction with an approximate boiling range between 122 and 400 degrees F.

**Naphtha-Type Jet Fuel:** A fuel in the heavy naphtha boiling range with an average gravity of 52.8 degrees API and 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees F., meeting Military Specification MIL-T-5624L (Grade Jp-4). JP-4 is used for turbojet and turboprop aircraft engines, primarily by the military. Excludes ram-jet and petroleum rocket fuels.

**OPEC:** The acronym for the Organization of Petroleum Exporting Countries, oil-producing and exporting countries that have organized for the purpose of negotiating with oil companies on matters of oil production, prices, and future concession rights. Current members are Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, United Arab Emirates, and Venezuela.

**Other End Users:** For motor gasoline, all direct sales to end users other than those made through company outlets. For No. 2 distillate, all direct sales to end users other than residential, commercial/institutional, industrial sales, and sales through company outlets. Included in the "other end users" category are sales to utilities and agriculture.

**Other Refiners:** Refiners with a total refinery capacity in the United States and its possessions of less than 275,000 barrels per day as of January 1, 1982. See Tables 5 and 6 of the *Petroleum Supply Annual*, 1981 (pages 107-137) for a listing of refiners and their capacities.

**PAD District:** Petroleum Administration for Defense Districts

**PAD District I:**

**Subdistrict IA:** Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont.

**Subdistrict IB:** Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania.

**Subdistrict IC:** Florida, Georgia, North Carolina, South Carolina, Virginia, West Virginia.

**PAD District II:**

Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, South Dakota, Ohio, Oklahoma, Tennessee, Wisconsin.

**PAD District III:**

Alabama, Arkansas, Louisiana, Mississippi, New Mexico, Texas, Federal Offshore Gulf.

**PAD District IV:**

Colorado, Idaho, Montana, Utah, Wyoming.

**PAD District V:**

Alaska (North Slope and Other Mainland), Arizona, California, Hawaii, Nevada, Oregon, Washington, Federal Offshore California.

**Prime Supplier:** A firm that produces, imports, or transports any of the selected petroleum products across State boundaries and local marketing areas and sells the product to local distributors, local retailers, or end users.

**Propane, Consumer Grade:** A normally gaseous paraffinic compound (C<sub>3</sub>H<sub>8</sub>), which includes all products covered by Natural Gas Policy Act (NGPA) Specifications for commercial use and HD-5 propane and ASTM Specification D 1835. Excludes feedstock propanes, which are propanes not classified as consumer grade propanes, including the propane portion of any natural gas liquids (NGL) mixes; i.e., butane-propane mix.

**Reference Month:** The calendar month and year to which the reported cost, price, and volume information relates.

**Refiner:** A firm or the part of a firm that refines products or blends and substantially changes products, or refines liquid hydrocarbons from oil and gas field gases, or recovers liquefied petroleum gases incident to petroleum refining and sells those products to resellers, retailers, resellers/retailers, or ultimate consumers. "Refiner" includes any owner of products which contracts to have those products refined and then sells the refined products to resellers, retailers, or ultimate consumers. For the purposes of this publication, gas plant operator data are included in this category.

**Reseller:** A firm (other than a refiner) that carries on the trade or business of purchasing refined petroleum products and reselling them without substantially changing their form to purchasers other than ultimate consumers.

**Reseller/Retailer:** A firm (other than a refiner) that carries on the trade or business activities of both a reseller and a retailer; i.e., purchasing refined petroleum products and reselling them without substantially changing their form to purchasers who may be either ultimate or other than ultimate consumers.

**Residential:** In cases of sales of No. 2 fuel oil, includes individual customers or households (as opposed to businesses or institutions) that ostensibly use the fuel in a residence. Sales to apartment buildings/complexes or to other multifamily dwellings are excluded from the residential category and are included in the commercial/institutional category.

**Residual Fuel Oils:** The topped crude of refinery operations, which includes No. 5 and No. 6 fuel oils as defined in ASTM Specification D 396 and Federal Specification VV-F-815C, Navy Special fuel oil as defined in Military Specification MIL-F-859E including Amendment 2 (NATO symbol F-77), and bunker C fuel oil. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

**Retailer:** A firm (other than a refiner, reseller, or reseller/retailer) that carries on the trade or business of purchasing refined petroleum products and reselling them to ultimate consumers without substantially changing their form.

**Sale:** The transfer of title from the seller to a buyer for a price. Excludes intrafirm transfers, products consumed directly by the reporting firm, or sales of bonded fuel. Also excludes products delivered/loaned to exchange partners, except where the amount given up exceeds the amount received and the differential is invoiced as a sale during the reference month.

**Sales to End Users:** Sales made directly to the consumer of the product. Includes bulk consumers such as agriculture, industry, and utilities, as well as residential and commercial consumers.

**Sales for Resale:** Sales of refined petroleum products to purchasers who are other-than-ultimate consumers; wholesale sales.

**Sales Type:** Sales categories of sales to end users and sales for resale.

**Seller Type:** Categories of major refiners and other refiners and gas plant operators.

**Unit Price:** Total revenue derived from the sale of product during the reference month divided by the

total volume sold; also known as the weighted average price. Total revenue excludes all taxes but includes transportation costs that were paid as part of the purchase price.

**United States:** For the crude oil statistics, the United States includes the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, and all American Territories and Possessions. For the petroleum products data, United States includes the 50 States and the District of Columbia.

**Wellhead:** The point at which the crude (and/or natural gas) exits the ground. Following historical precedent, the volume and price for crude oil production are labeled as "wellhead," even though the cost and volume are now generally measured at the lease boundary. In the context of domestic crude price data, the term "wellhead" is the generic term used to reference the production site or lease property.



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Products  
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Reference  
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and Housing  
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Governments  
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